

City of Savannah

P.O. Box 1027
Savannah, Ga 31401
Tel.:
Fax:

Fax Transmission

From: Bobby Keel	To : C.T. Chang
Date Sent: 10/26/2005 08:17:54 AM Pages: 1	FAX Number: 918175711919

Subject: 6700 Abercorn St.(CHUCKE CHEESE'S)

Items listed must be addressed prior to permit issuance.

1.Code information must include exits required//exits provided//travel distance to exits and list adopted code used for design.

2.F.Y.I. listed are adopted codes for State of Georgia.
International Building-plumbing-mechanical codes 2000 edition.
-Life Safety Code (N.F.P.A. 101) 2000 edition.
-National Electrical Code 2002 edition.
-International Energy Conservation Code 2000 edition.
-Georgia Accessibility Standards 1997 edition.
-International Fire Code 2003 edition.

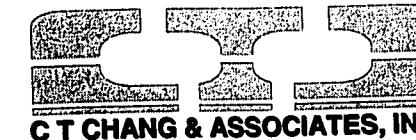
3.Any added or replaced exterior openings must comply with chapter sixteen (16)
International Building Code 2000 edition and SBCCI TEST STANDARD FOR DETERMINING
IMPACT RESISTANCE FROM WINDBORNE DEBRIS SSTD 12-99.

Any questions call or fax me at numbers listed below.

Bobby Keel/CBO
Plan Review Service Coordinator
Development Services
Phone (912) 651-6530
Fax (912) 525-1525
e-mail:bkeel@ci.savannah.ga.us (autocad)

05-3604B
6700 Abercorn
Street

05-3604B



C.T. CHANG & ASSOCIATES, INC.
ARCHITECTURE-PLANNING-DESIGN
1010 WEST EULESS BOULEVARD, SUITE 110, EULESS, TX 76040 (817) 354-6010

October 26, 2005

Mr. Bobby Keel/CBO
Plan Review Service Coordinator
Development Services
Permit Review/Inspections
City of Savannah, GA
6 East Bay, Second Floor
Savannah, GA 31402

RE: Chuck E. Cheese's #605
Savannah, GA

Dear Mr. Keel:

In response to your faxed comments for the above referenced project, please note the following:

1. Reference Cover Sheet for code information as requested. Rev. #1 dated 10/26/05
2. Reference Cover Sheet for code information as requested. Rev. #1 dated 10/26/05
3. Noted on plans, Ref. Sheet A1.0, Rev. #1 dated 10/26/05

Should you have additional comments, please call on me at 817 354 6010.

Sincerely,

Lorena Gatsos
Lorena Gatsos/C. T. Chang

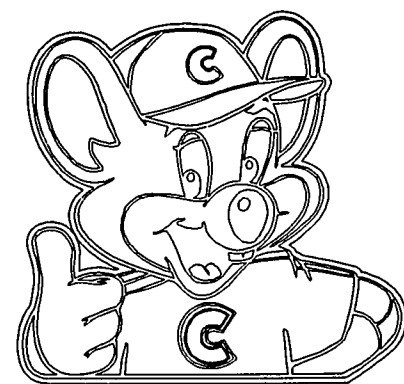
LG:jm

Enclosures: Sheets CS & A1

RECEIVED

OCT 28 2005

DEVELOPMENT SERVICES DEPT.



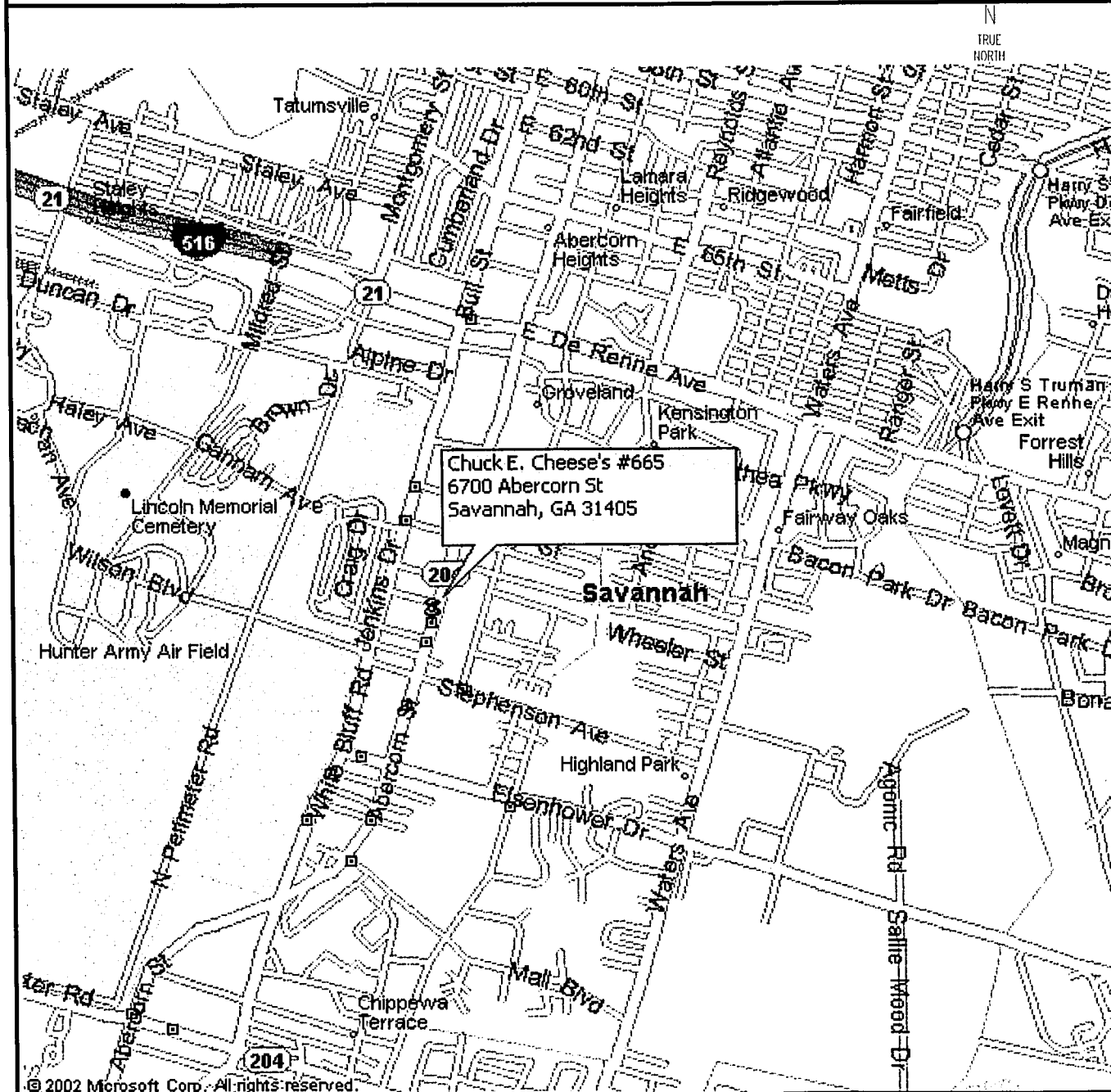
CHUCK E CHEESE'S

UNIT # 605
10-10-2005
6700 ABERCORN
SAVANNAH, GA 31405

ALL EXTERIOR SIGNAGE
WILL REQUIRE
A SEPARATE PERMIT

PERMIT ISSUE

SITE LOCATION MAP



LIST OF CONTACTS

OWNER
CEC ENTERTAINMENT, INC.
4441 WEST AIRPORT FREEWAY
P.O. BOX 152007
IRVING, TEXAS 75062
TEL: 972-258-8507

ARCHITECT
C.T. CHANG, AIA
1010 EULESS BLVD. (HWY 10) SUITE 110
EULESS, TEXAS 76040
PH: 817-354-6010
FAX: 817-571-1919
EMAIL: CHANG-LOG@SWBELL.NET

CONTACTS:
LORENA GATSOS

PROJECT COORDINATOR

PARKWAY CONSTRUCTION CO.
1000 CMC CIRCLE
LEWISVILLE, TEXAS 75067
PH: 972-221-1979

CONTACTS:
DON LUTON

M. E. P. ENGINEER

DON PENN, MEP
3950 HIGHWAY 360, #101
GRAPEVINE, TX 76051

STRUCTURAL ENGINEER

INTEC SERVICES
FRANK NIEL, P.E.
3113 S. UNIVERSITY DRIVE, SUITE 301
FORT WORTH, TX 76109
TEL: 817-927-3049

CONTACTS:
MOWLESH RAMARAPU, MS, P.E.

INDEX TO DRAWINGS

SHEET DESCRIPTION

TRADE	DESCRIPTION
CS	COVER SHEET, CONTACTS & INDEX
G1.0	GENERAL NOTES
D1.0	DEMOLITION PLAN
A1.0	DIMENSIONED FLOOR PLAN
F1.0	FLOOR FINISH PLAN / FLOOR OUTLET PLAN
A3.0	REFLECTED CEILING PLAN
A3.1	ROOF PLAN
A4.0	EXTERIOR ELEVATIONS
A6.0	EXTERIOR WALL SECTIONS
A7.0	EXTERIOR DETAILS
A7.1	DETAILS
A8.0	SCHEDULES
A9.0	FURNISHINGS PLAN
SP1.0	SPECIFICATIONS

STRUCTURAL	DESCRIPTION
ST1.0	FOUNDATION / FRAMING FLOOR PLAN
ST2.0	SECTIONS AND NOTES

MECHANICAL	DESCRIPTION
MEP1.1	MECHANICAL ELECTRICAL PLUMBING ROOF PLAN
MEP2.1	MECHANICAL SPECIFICATIONS
M1.1	MECHANICAL FLOOR PLAN
M1.2	MECHANICAL SCHEDULES & DETAILS
M1.3	MECHANICAL DETAILS

ELECTRICAL	DESCRIPTION
E1.1	FLOOR PLAN-LIGHTING
E1.2	FLOOR PLAN-POWER
E3.1	ELECTRICAL SCHEDULES & RISER

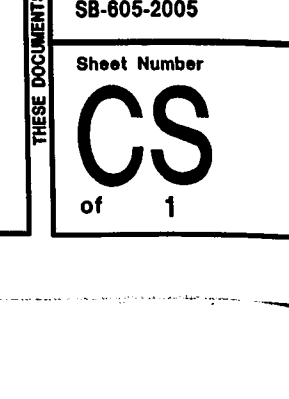
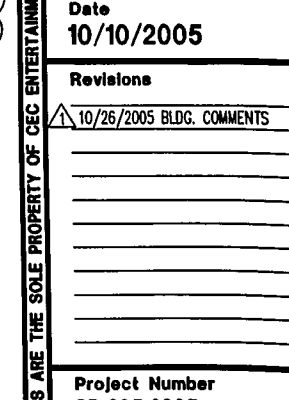
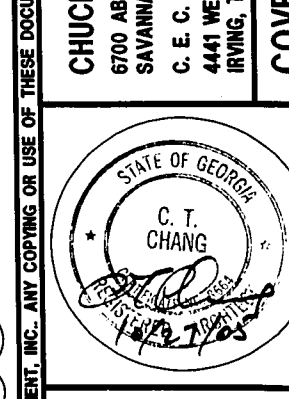
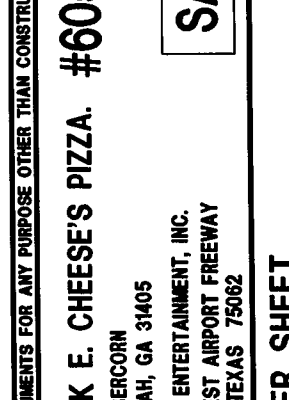
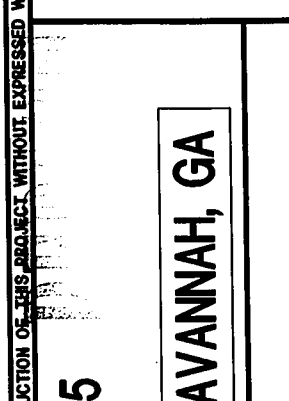
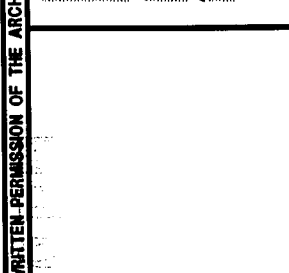
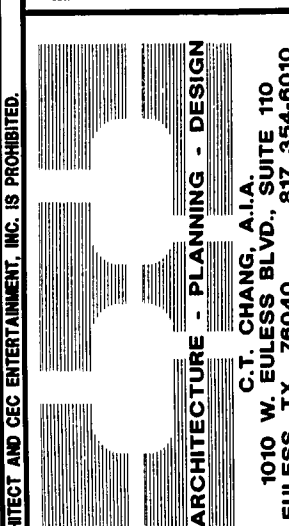
CODE INFORMATION

BUILDING	2000 IBC
OCCUPANCY CLASS:	A2.1 ASSEMBLY
CONSTRUCTION TYPE:	111B, SPRINKLERED
EXT'G. BUILDING AREA:	10,371 SF
EXPANSION AREA:	1,810 SF
TOTAL BUILDING AREA:	12,181 SF
SEATING CAPACITY:	411 SEATS
EXITS:	170" DINING 42" KITCHEN

EXITS REQUIRED:	3
EXITS PROVIDED:	4
MAX. TRAVEL DISTANCE (ALLOWED)	250 FT
MAX. TRAVEL DISTANCE (PROVIDED)	150 FT
MECHANICAL	2000 INTERNATIONAL MECHANICAL CODE
ELECTRICAL	2002 NATIONAL ELECTRICAL CODE
PLUMBING	2000 INTERNATIONAL PLUMBING CODE
HEALTH	2000 INT. ENERGY CONSERVATION CODE
FIRE	2003 INTERNATIONAL FIRE CODE
ACCESSIBILITY	1997 GEORGIA ACCESSIBILITY STANDARDS
LIFE SAFETY	2000 N.F.P.A. 101

INDEX OF REVISIONS

REV.	DATE	DESCRIPTION	REVISED SHEETS:
1	10/26/2005	BLOG COMMENTS	CS, A1.0



00000 / PLOT VIEW: PLOT / PLOT SCALE: 1/8"=1'-0"

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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DRAWING SYMBOLS LEGEND:

- SHEET NO. 01
DETAIL NO. 01
DIRECTION INDICATOR
- WALL SECTION OR BUILDING SECTION KEY
- DETAIL KEY
REFER SECTION KEY FOR
DESIGNATION INFORMATION
- ELEVATION VIEW KEY
REFER SECTION KEY FOR
DESIGNATION INFORMATION
- MATERIAL / FINISH KEY
- DIMENSION TO FACE OF FRAMING OR
EDGE OF SLAB UNLESS OTHERWISE NOTED
- DIMENSION TO CENTERLINE OF COLUMN
OR CENTERLINE OF DIMENSIONED ITEM
- 11-20-2000
OWNER COMMENTS
- REVISION TO DRAWING
- 04/A-501
- DETAIL REFERENCES
REFER SECTION KEY FOR
DESIGNATION INFORMATION
- ROOM NUMBER
ROOM/SPACE NAME
- ROOM NAME / SPACE NUMBER
- WINDOW DESIGNATION
- DOOR DESIGNATION
- COLUMN REFERENCE DESIGNATION
- DRAWING TITLE & SCALE INDICATION

DRAWING TITLE
DRAWING NUMBER
DRAWING SCALE

FLOOR PLAN
SCALE: 1/4"=1'-0"

CEC SUPPLIER LIST

- FLOOR & WALL TILE
CONTACT: BILL COOKER "AMERICAN TILE SUPPLY"
10550 PLANO ROAD, DALLAS, TEXAS 75238
PHONE: 214-343-5753
- PAINTS/STAINS
CONTACT: NATIONAL ACCOUNT MANAGER - JOHN GASTON
PHONE: 214-583-3840
- MARLITE
CONTACT: JERRY MADDOX
PHONE: 972-250-9260
- MILLWORK
CONTACT: JOHN GRIFFIN "MIDWEST CABINET CO. INC."
1674 INDUSTRIAL AVE., OTTAWA, KS 66067
PHONE: 785-424-8184
- VISTAWALL
CONTACT: KEVIN McMILLEN
PHONE: 214-574-5772
- ACOUSTICAL CEILINGS
CONTACT: PHYLIS MILLER "ARMSTRONG"
PHONE: 800-442-6212
- WALL CORNER GUARDS
CONTACT: MARLEEN KERTSCHMANN "PALM BEACH PLASTICS"
PHONE: 314-353-0231
- WINDOW SHADES
CONTACT: TABATHA CRAWFORD "INSOLROLL"
PHONE: 800-447-5534 EXT 100
- AIR BALANCE
CONTACT: DAVE KAISER
PHONE: 614-771-7993
- ELIASON DOOR
CONTACT: "ELIASON DOORS"
PHONE: 800-828-3655
- DOOR HARDWARE
CONTACT: THERESA "UNIVERSAL MANUFACTURING COMPANY"
PHONE: 800-821-1414

GENERAL NOTES:

1. FOR THE PURPOSE OF THESE DRAWINGS "BY OWNER" SHALL MEAN ITEM PROVIDED BY OWNER, ASSEMBLED AND INSTALLED BY CONTRACTOR AS PART OF THE WORK OF THIS CONTRACT. THE ABBREVIATION "NIC" (NOT IN CONTRACT) SHALL MEAN ITEM PROVIDED AND INSTALLED BY OWNER UNDER SEPARATE CONTRACT.
2. DIMENSIONS ARE TO FACE OF STUD, OR CMU, OR CENTERLINE OF EXISTING COLUMNS OR EDGE OF FOUNDATION, UNLESS NOTED OTHERWISE.
3. THE CONTRACTOR SHALL FULLY ACQUAINT HIMSELF WITH THE CONDITIONS AND REQUIREMENTS OF THE DRAWINGS AND ACCOMPANYING SPECIFICATIONS, INCLUDING OTHER PARTS OF THE PROPOSED CONTRACT DOCUMENTS, AND FULLY UNDERSTAND THE CONDITIONS, DIFFICULTIES AND RESTRICTIONS COMPLETELY, BEFORE EXECUTING THE WORK. IT IS UNDERSTOOD THAT OMISSIONS FROM THE BID, DUE TO FAILURE OF THE CONTRACTOR TO FULLY ACQUAINT HIMSELF WITH THE CONSTRUCTION DOCUMENTS, WILL NOT ENTITLE HIM TO ADDITIONAL CONSIDERATION AND/OR COMPENSATION. GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS, GRADES AND CONDITIONS AT SITE PRIOR TO COMMENCING THE WORK.
4. SHOULD THE CONTRACTOR FIND DISCREPANCIES IN, OR OMISSIONS FROM, THE CONSTRUCTION DOCUMENTS, OR BE IN DOUBT AS TO THE MEANING AND INTENTION OF ANY ITEM OR REQUIREMENT, HE SHALL NOTIFY THE OWNER AT ONCE.
5. THE ORGANIZATION OF THE SPECIFICATIONS INTO DIVISIONS, SECTIONS AND PARAGRAPHS AND THE ARRANGEMENT OF THE DRAWINGS ARE NOT INTENDED TO CONTROL THE CONTRACTOR IN DIVIDING THE WORK AMONG SUBCONTRACTORS OR TO ESTABLISH THE LIMITS AND EXTENT OF WORK TO BE PERFORMED BY A PARTICULAR TRADE. THE GENERAL CONTRACTOR ALONE IS RESPONSIBLE FOR THE COMPLETION OF THE ENTIRE WORK AS DRAWN AND SPECIFIED, COMPLETE IN PLACE AND IN FUNCTIONAL OR OPERATING CONDITION. THE DIVISION OF THE SPECIFICATIONS INTO SECTIONS AND PARAGRAPHS AND ORGANIZATION OF THE DRAWINGS IS FOR CONVENIENCE ONLY AND NOT FOR THE PURPOSE OF LIMITING OR RESTRAINING PERFORMANCE. ANY PORTION OF THE WORK TO ANY PARTICULAR TRADE.
6. CONTRACTOR TO PROVIDE ELECTRICAL BOXES, CONDUIT AND PULL WIRE FOR SOUND SYSTEM, SECURITY AND FIRE SYSTEM AS SHOWN THE MEP DOCUMENTS.
7. ALL WORK PERFORMED SHALL COMPLY WITH THE CONTRACT DOCUMENTS, DRAWINGS AND SPECIFICATIONS, INCLUDING THESE GENERAL NOTES. THE CONTRACTOR SHALL COORDINATE THE INTENT OF THE GENERAL NOTES WITH ALL THE TRADES.
8. NO DEVIATION FROM CONTRACT DRAWINGS AND SPECIFICATIONS SHALL BE MADE WITHOUT WRITTEN APPROVAL OF THE ARCHITECT.
9. THE STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS ARE SUPPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK WITH THE ARCHITECTURAL DRAWINGS BEFORE THE INSTALLATION OF STRUCTURAL, MECHANICAL, AND ELECTRICAL WORK. SHOULD THERE BE A DISCREPANCY BETWEEN THE ARCHITECTURAL DRAWINGS AND THE CONSULTING ENGINEERS' DRAWINGS THAT WOULD CAUSE AN AWARD INSTALLATION, IT SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION FOR CLARIFICATION PRIOR TO INSTALLATION OF SAID WORK. ANY WORK INSTALLED IN CONFLICT WITH THE ARCHITECTURAL DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR AT HIS EXPENSE AND AT NO ADDITIONAL COST TO THE OWNER OR ARCHITECT.
10. SPECIFICATIONS ARE CONTAINED IN THESE CONTRACT DOCUMENTS.
11. ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED TO BE CONSTRUCTION STANDARDS. IF THE CONTRACTOR HAS QUESTIONS REGARDING SAME, OR THEIR EXACT MEANING, THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION.
12. WHERE A TYPICAL CONDITION IS DETAILED, IT SHALL BE UNDERSTOOD THAT ALL LIKE OR SIMILAR CONDITIONS ARE THE SAME UNLESS SPECIFICALLY NOTED OR DETAILED OTHERWISE.
13. CEILING HEIGHT DIMENSIONS ARE TO FINISHED SURFACES.
14. ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFIED BUILDING CODE EDITION WITH CURRENT AMENDMENTS. OTHER CODES AS LISTED ON THE COVER SHEET AND ALL OTHER APPLICABLE CODES, REGULATIONS, ORDINANCES AND STATUTES.
15. FIRE PROTECTION FACILITIES, INCLUDING ACCESS, MUST BE PROVIDED PRIOR TO AND DURING THE CONSTRUCTION PERIOD AS REQUIRED BY THE CITY FIRE DEPARTMENT.
16. EXCEPT WHERE SHOWN IN DIMENSIONAL DETAIL, THE LOCATIONS OF PLUMBING, MECHANICAL EQUIPMENT, DUCTS, PIPING, AND FITTINGS ARE ONLY APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR, SUBJECT TO APPROVAL BY THE ARCHITECT.
17. ALL ALARMS SHALL BE EQUIPPED AS REQUIRED.
18. CONTRACTOR SHALL REVIEW THE LOCATIONS OF ALL FIRE LIFE SAFETY DEVICES WITH THE FIRE INSPECTOR AND THE OWNER REP FOR ON-SITE APPROVAL PRIOR TO INSTALLATION.
19. PENETRATIONS IN WALLS, FLOORS OR ROOF REQUIRING PROTECTED OPENINGS SHALL BE FIRE-STOPPED IN ACCORDANCE WITH LOCAL CODES.

GENERAL NOTES:

20. WIRING WITHIN CONCEALED SPACES SHALL COMPLY WITH LOCAL CODES.
21. CONTACT BETWEEN DISSIMILAR METALS SHALL BE PROTECTED. REFER TO PROJECT SPECIFICATIONS.
22. ALL DOOR SIZES SHOWN ON DOOR SCHEDULE ARE OPENING SIZES. ALLOWANCE FOR THRESHOLDS, ETC. SHALL BE DEDUCTED. FRAMES SHALL BE REINFORCED WHERE REQUIRED FOR CLOSURES, STOPS AND HARDWARE.
23. THE MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 8-1/2 POUNDS FOR EXTERIOR DOORS AND 5 POUNDS FOR INTERIOR DOORS.
24. ALL LEGAL EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT AND SHALL SWING IN THE DIRECTION OF EGRESS. PROVIDE EXIT SIGNS AS REQUIRED BY THE BUILDING OFFICIALS. SPECIAL LOCKING DEVICES SHALL BE OF AN APPROVED TYPE.
25. DOORS EQUIPPED WITH PANIC HARDWARE SHALL BE OPERABLE WITH A FORCE OF 15 LBS. AS APPLIED IN THE DIRECTION OF EGRESS TO THE BAR.
26. EGRESS DOORS SHALL BE OPERABLE UNDER A TOTAL PRESSURE OF NOT GREATER THAN 15 LBS.
27. ALL PUBLIC LIGHT SWITCHES, FIRE ALARMS AND OTHER PUBLIC CONTROL SWITCHES SHALL BE MOUNTED AT 4'-0" ABOVE THE FINISH FLOOR.
28. INSTALL METAL CORNER BEADS AT ALL EXPOSED WALLBOARD EDGES. INSTALL CASING BEADS WHEREVER WALLBOARD, PLASTER, ETC. ADJUTS A DISSIMILAR FINISH MATERIAL AND PROVIDE SEALANT AS REQUIRED.
29. INTERIOR FINISHES SHALL COMPLY WITH LOCAL CODES.
30. CONTRACTOR SHALL PROVIDE AND INSTALL ALL STIFFENERS, BRACING, BLOCKING, BACKING, HANGERS, BACK-UP PLATES AND SUPPORTING BRACKETS REQUIRED FOR THE INSTALLATION OF ALL CASEWORK, TOILET ROOM ACCESSORIES, FIXTURES AND PARTITIONS AND ALL WALL MOUNTED OR SUSPENDED MECHANICAL, ELECTRICAL, OR MISCELLANEOUS EQUIPMENT AND FURNISHINGS.
31. EXIT PATH LIGHTING SHALL BE PROVIDED FOR HALLWAY, EXIT PASSAGEWAY AND EGRESS TO A PUBLIC WAY ANY TIME THE BUILDING IS OCCUPIED.
32. EMERGENCY LIGHTING SHALL BE PROVIDED GIVING A VALUE OF ONE FOOT CANDLE MINIMUM AT FLOOR LEVEL IN ALL EXIT CORRIDORS AND STAIR SHAFTS.
33. ALL EXIT LIGHTING AND SIGNS SHALL HAVE SIX INCH HIGH LETTERS ON A CONTRASTING BACKGROUND.
34. EXIT SIGNS SHALL BE ILLUMINATED WITH TWO 15W LAMPS ON SEPARATE CIRCUIT. ILLUMINATION SHALL NORMALLY BE PROVIDED BY THE PREMISES WIRING SYSTEM. ONE OF EACH SHALL BE SEPARATED FROM ALL OTHER CIRCUITS IN THE BUILDING, AND INDEPENDENTLY CONTROLLED.
35. WHENEVER THE BUILDING IS OCCUPIED, EXIT SIGNS SHALL BE LIGHTED SO THAT THEY ARE CLEARLY VISIBLE.
36. FIRE-RESISTIVE WALLS AND PARTITIONS MAY HAVE OPENINGS FOR STEEL ELECTRICAL OUTLET BOXES NOT EXCEEDING 16 SQUARE INCHES IN AREA, PROVIDED THE AGGREGATE AREA OF SUCH OPENINGS IS NOT MORE THAN 100 SQUARE INCHES FOR ANY 100 SQUARE FEET OF WALL OR PARTITION AREA. "OUTLET BOXES" ON OPPOSITE SIDES OF WALLS AND PARTITIONS SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF AT LEAST 24 INCHES.
37. INTERIOR WALL AND CEILING FINISH FLAME-SPREAD RATING SHALL BE AS REQUIRED BY LOCAL CODES.
38. TENANT'S LEASED PREMISES MUST COMPLY WITH TITLE III OF THE AMERICANS WITH DISABILITIES ACT (ADA). COMPLIANCE WILL INCLUDE, BUT NOT BE LIMITED TO, THE DESIGN, CONSTRUCTION AND/OR ALTERATION OF THE LEASED PREMISES, UPON COMPLETION OF WORK, TENANT OR TENANT'S ARCHITECT MUST SUPPLY TO LANDLORD A LETTER, SATISFACTORY TO THE LANDLORD, STATING THAT THE LEASED PREMISES HAVE BEEN DESIGNED AND CONSTRUCTED IN ACCORDANCE TO AND ARE IN COMPLIANCE WITH THE ADA.
39. CONTRACTOR TO SUBMIT SIGN MANUFACTURERS SHOP PLANS FOR APPROVAL. SIGN MUST BE COMPLIANCE WITH LEASE EXHIBIT.
40. TENANT'S GENERAL CONTRACTOR TO CHECK IN WITH LANDLORD'S TENANT COORDINATOR.
41. NOT USED
42. CONTRACTOR TO REPAINT AND/OR REPAIR LANDLORD PROPERTY DAMAGED DURING TENANT IMPROVEMENTS.
43. CONTRACTOR SHALL PERFORM FIRST-CLASS WORKMANSHIP. ACCEPTANCE CONTINGENT UPON LANDLORD APPROVAL.
44. ALL REUSED MATERIAL & EQUIPMENT MUST BE REFURBISHED TO "LIKE NEW" CONDITION.
45. NOT USED
46. DEMISING PARTITIONS MUST BE OF FIRECODE "X" SHEETROCK, TAPED AND SEALED AIRTIGHT TO DECK ABOVE.



SAVANNAH, GA

CHUCK E. CHEESE'S PIZZA #605

6700 ABERCORN
SAVANNAH, GA 31405
C. E. C. ENTERTAINMENT, INC.
4441 WEST AIRPORT FREEWAY
IRVING, TEXAS 75062

GENERAL NOTES

State of Georgia
C. I. CHANG
REGISTERED ARCHITECT

Date
10/10/2005

Revisions

Project Number
SB-605-2005

Sheet Number
G0.1
of 1

24x36

18x24

18x24

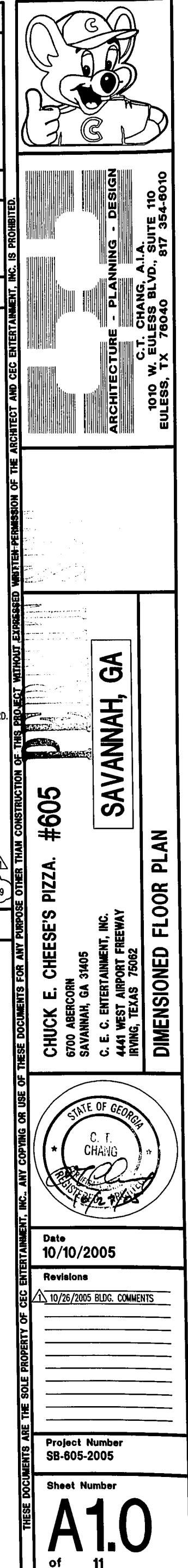
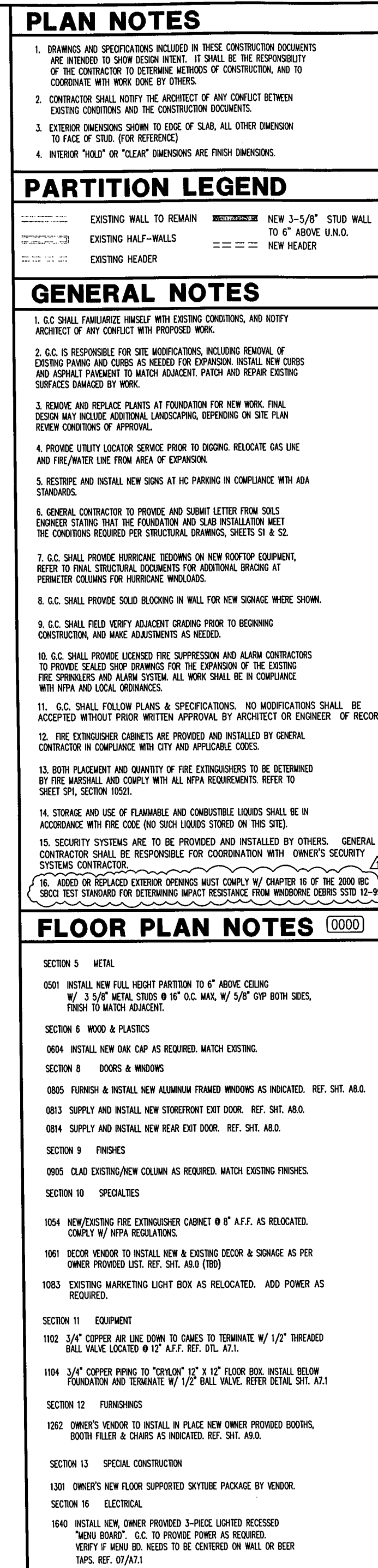
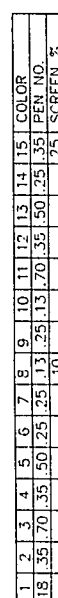
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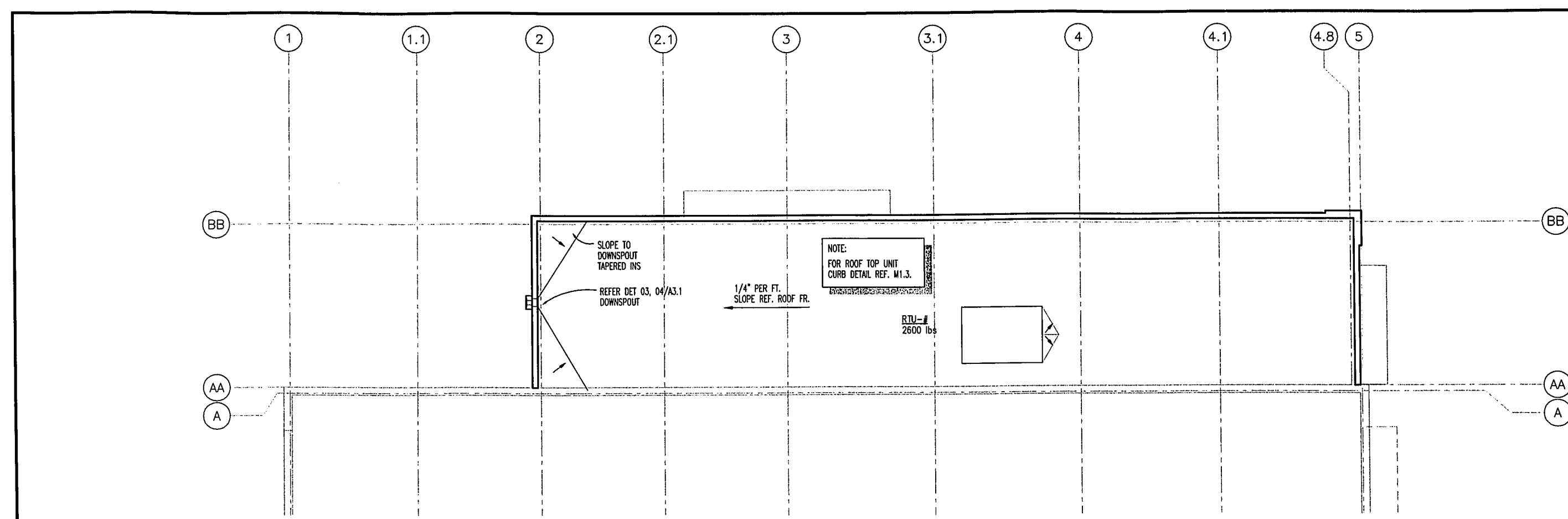


SECTION 2 DEMOLITION/SITEWORK/REMOVAL

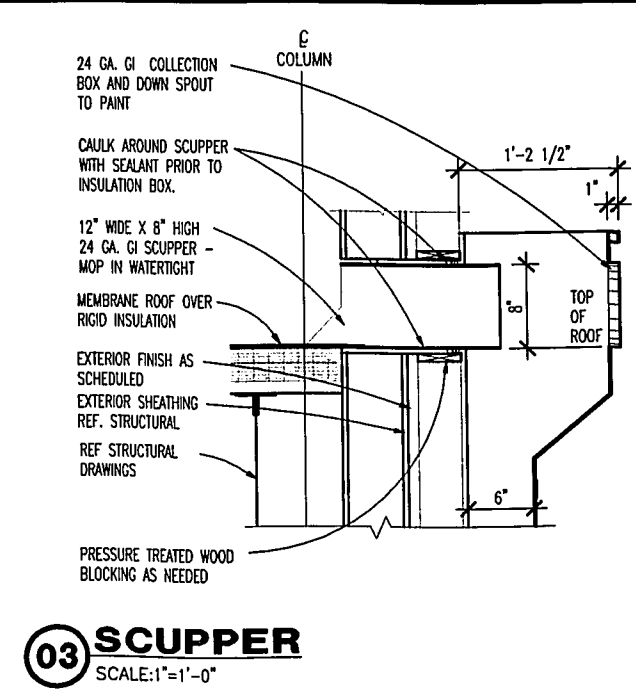
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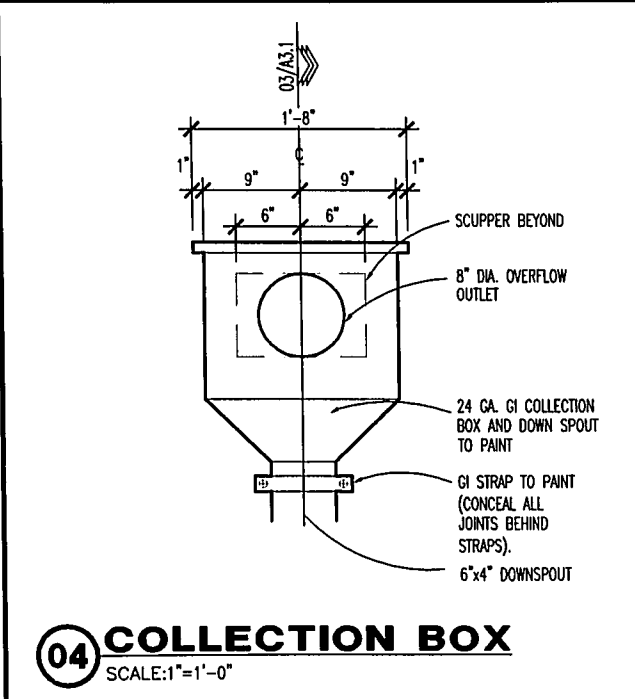
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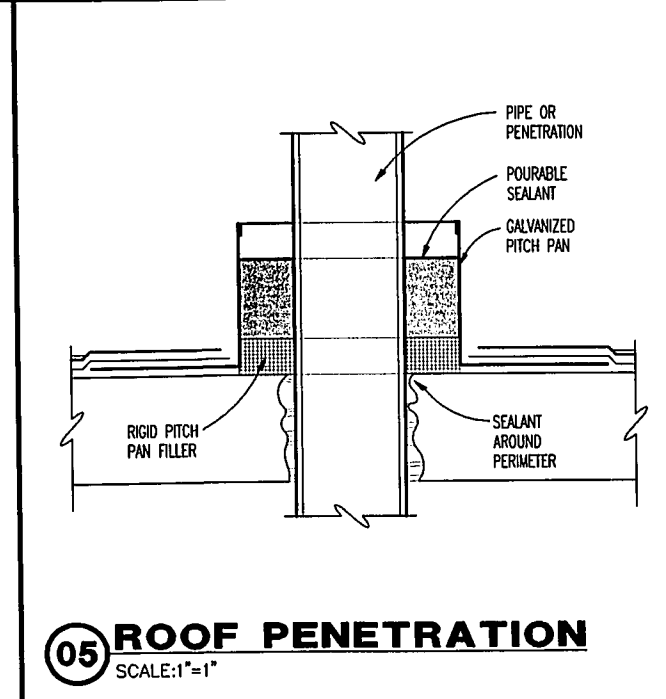
01 ROOF PLAN
SCALE: 1/8"=1'-0"



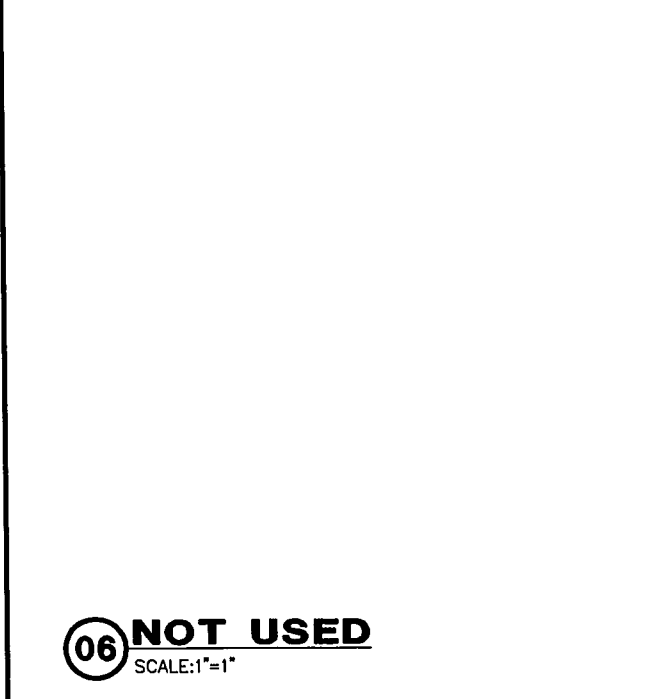
03 SCUPPER
SCALE: 1"=1'-0"



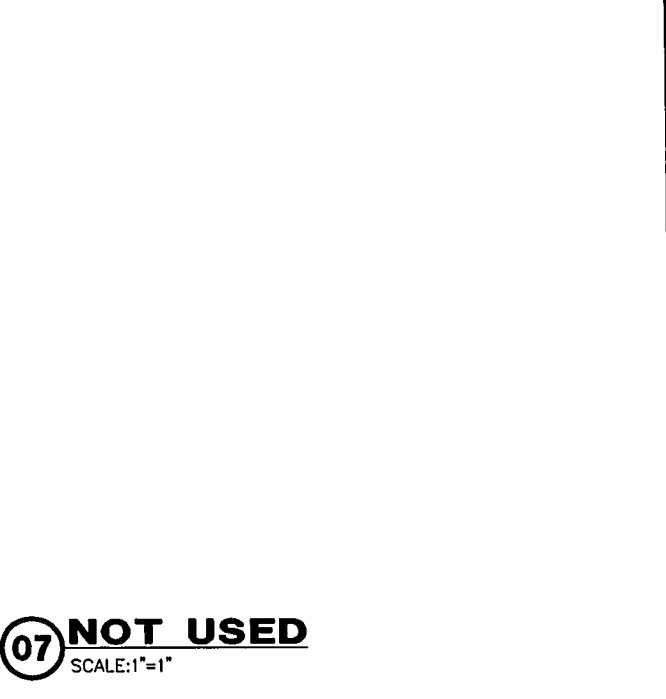
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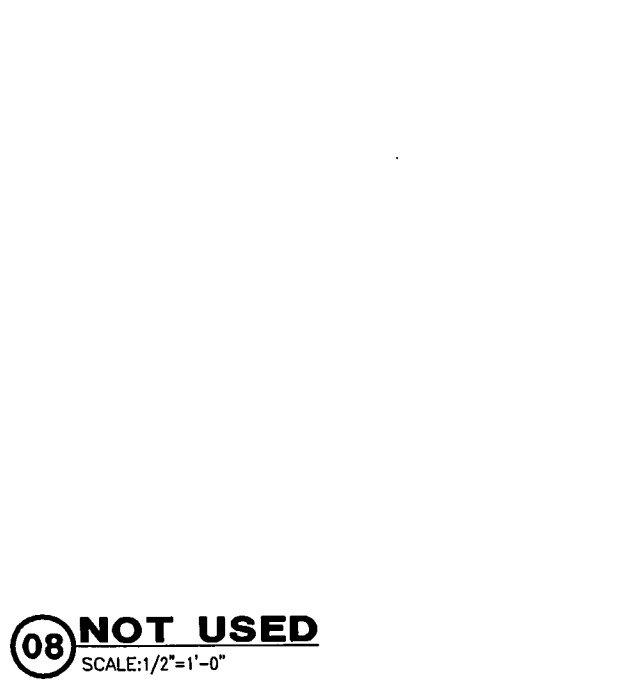
05 ROOF PENETRATION
SCALE: 1"=1'-0"



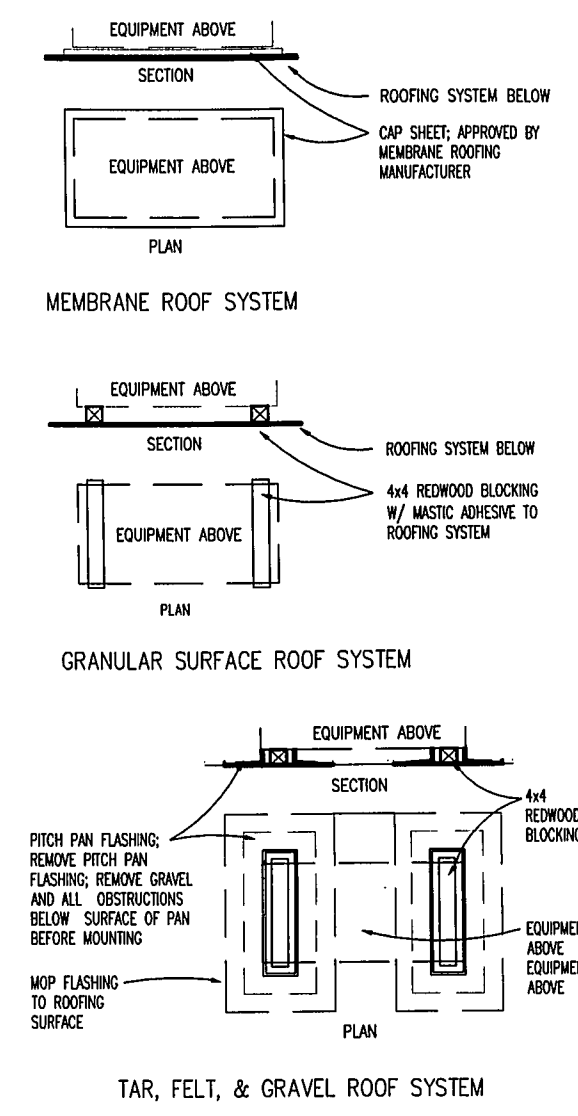
06 NOT USED
SCALE: 1"=1'-0"



07 NOT USED
SCALE: 1"=1'-0"



08 NOT USED
SCALE: 1/2"=1'-0"



02 ROOF EQUIP. SUPPORT
SCALE: 3/8"=1'-0"

CHUCK E. CHEESE'S PIZZA. #605
6700 ABERCORN
SAVANNAH, GA 31405
C. E. C. ENTERTAINMENT, INC.
4441 WEST AIRPORT FREEWAY
IRVING, TEXAS 75062

SAVANNAH, GA

ROOF PLAN

DATE
10/10/2005

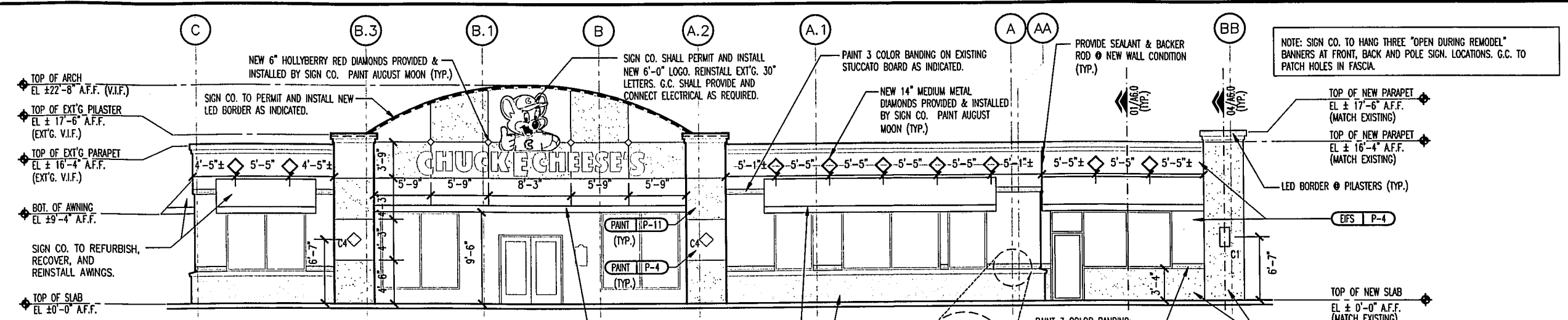
Revisions

Project Number
SB-605-2005

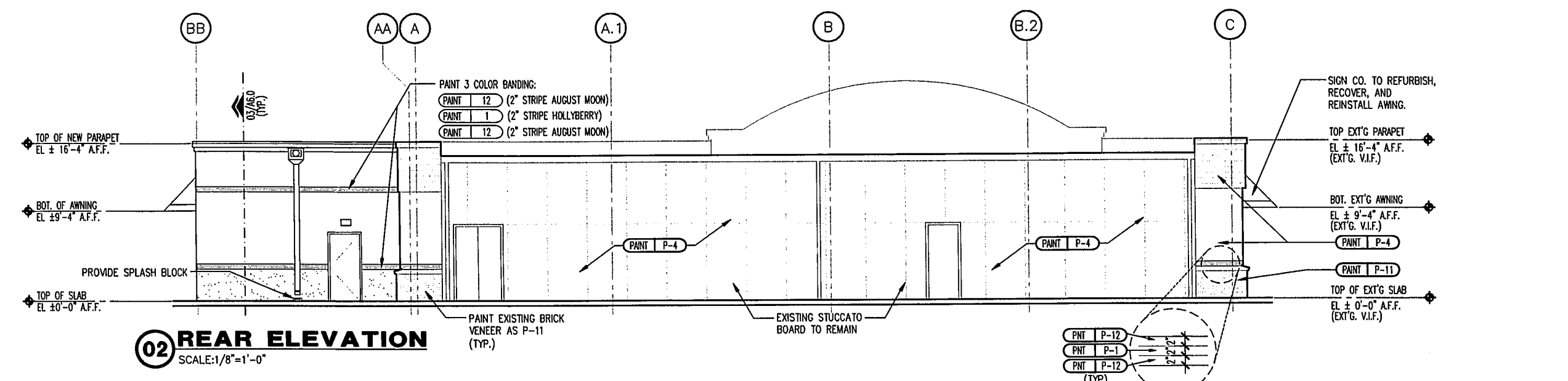
Sheet Number
A3.1
of 11

440-665 / PLOT VIEW: PLOT / PLOT SCALE: 1/8"=1'-0"

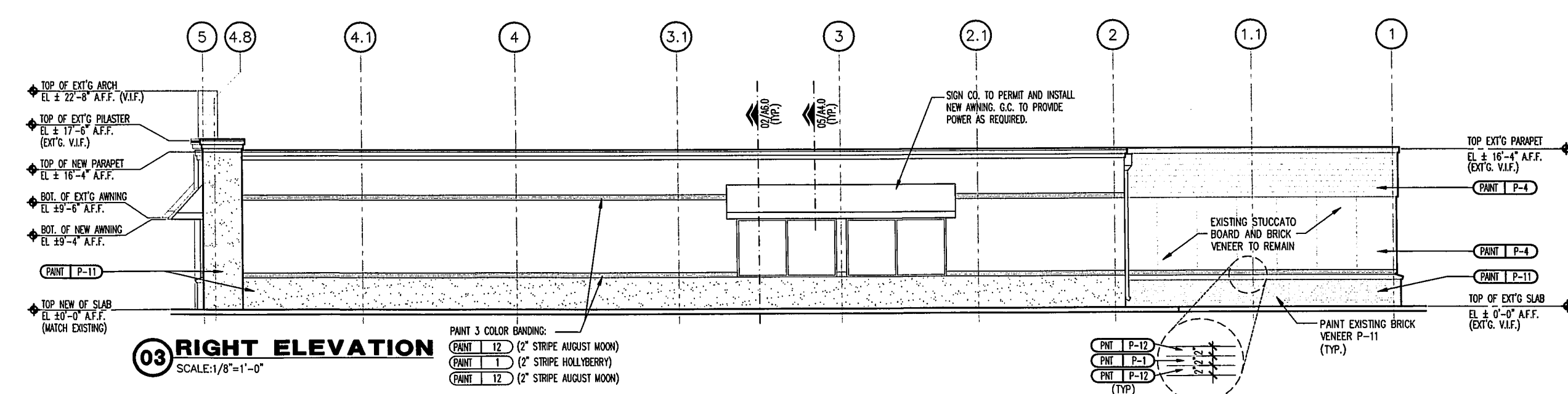
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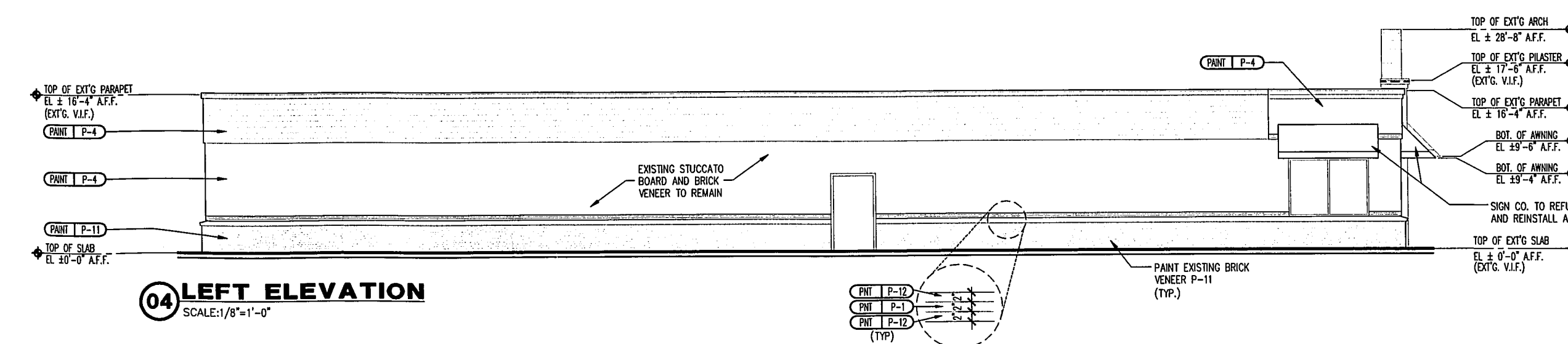
01 FRONT ELEVATION
SCALE: 1/8"=1'-0"



02 REAR ELEVATION
SCALE: 1/8"=1'-0"



03 RIGHT ELEVATION
SCALE: 1/8"=1'-0"

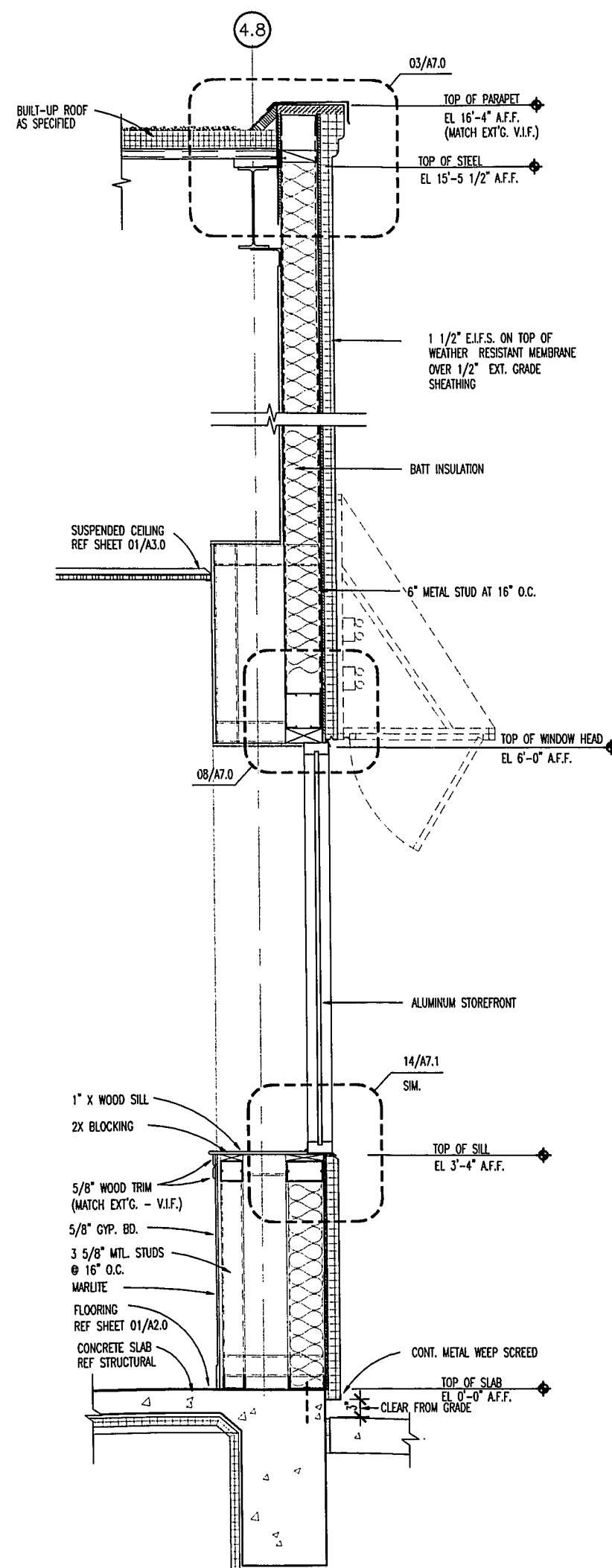


04 LEFT ELEVATION
SCALE: 1/8"=1'-0"

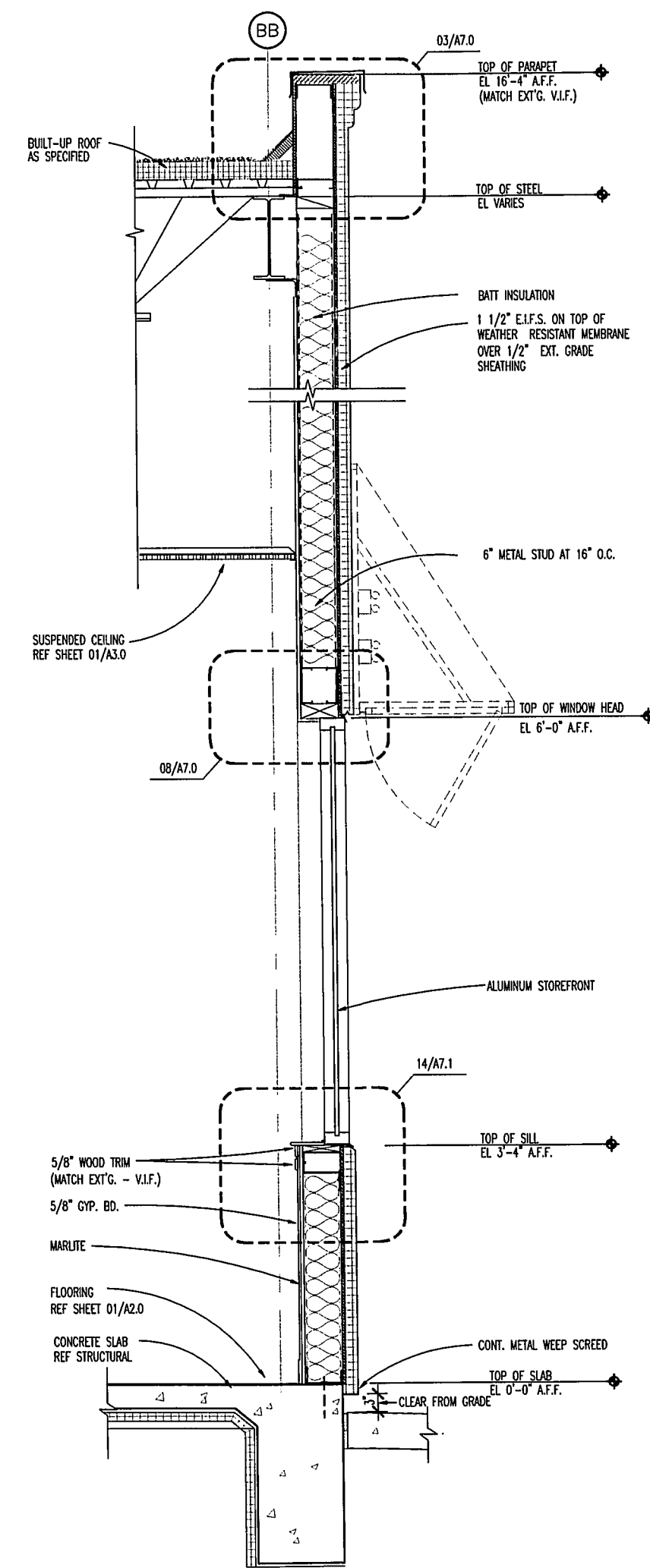
FINISH KEY

- 04220 MASONRY**
M-1 STUCCO MASONRY UNIT BY FEATHERITE OR EQUAL.
SIZE: 4" x 8" x 8"
JOINT TYPE: 3/16"
SIL. COURSE BY FEATHERITE, SHAPE NO. 847108, TYPE: BURNISHED
- 09260 EXT. INSULATION & FINISH SYSTEM**
EIFS-1 DRYV SYSTEM - SANDBLAST TEXTURE BUCKSKIN #449 BASE: PASTEL
- 09900 PAINT/STAINS**
ALL PRODUCTS LISTED ARE AVAILABLE THRU SHERWIN WILLIAMS.
ALL PRODUCTS LISTED SHALL COMPLY WITH STATE VOC GUIDELINES.
P-1 HOLLYBERRY RED. USED ON EXPOSED METAL COLUMNS AND OLDER NONPRE-FINISHED FRONT DOORS (NOT FOR NEW ENTRY DOORS).
METAL PRIMER - SW KEN KROMCK UNIVERSAL PRIMER, B002 SERIES METAL PAINT - CUSTOM FORMULA BASE - SW INDUSTRIAL ENAMEL SAFETY RED - B54838 TINTED TO THE FOLLOWING: 844 COLORANTS - 09-40, 09-52, 10-16, 10-18, 10-20, 10-21, 10-22, 10-23, 10-24, 10-25, 10-26, 10-27, 10-28, 10-29, 10-30, 10-31, 10-32, 10-33, 10-34, 10-35, 10-36, 10-37, 10-38, 10-39, 10-40, 10-41, 10-42, 10-43, 10-44, 10-45, 10-46, 10-47, 10-48, 10-49, 10-50, 10-51, 10-52, 10-53, 10-54, 10-55, 10-56, 10-57, 10-58, 10-59, 10-60, 10-61, 10-62, 10-63, 10-64, 10-65, 10-66, 10-67, 10-68, 10-69, 10-70, 10-71, 10-72, 10-73, 10-74, 10-75, 10-76, 10-77, 10-78, 10-79, 10-80, 10-81, 10-82, 10-83, 10-84, 10-85, 10-86, 10-87, 10-88, 10-89, 10-90, 10-91, 10-92, 10-93, 10-94, 10-95, 10-96, 10-97, 10-98, 10-99, 10-100, 10-101, 10-102, 10-103, 10-104, 10-105, 10-106, 10-107, 10-108, 10-109, 10-110, 10-111, 10-112, 10-113, 10-114, 10-115, 10-116, 10-117, 10-118, 10-119, 10-120, 10-121, 10-122, 10-123, 10-124, 10-125, 10-126, 10-127, 10-128, 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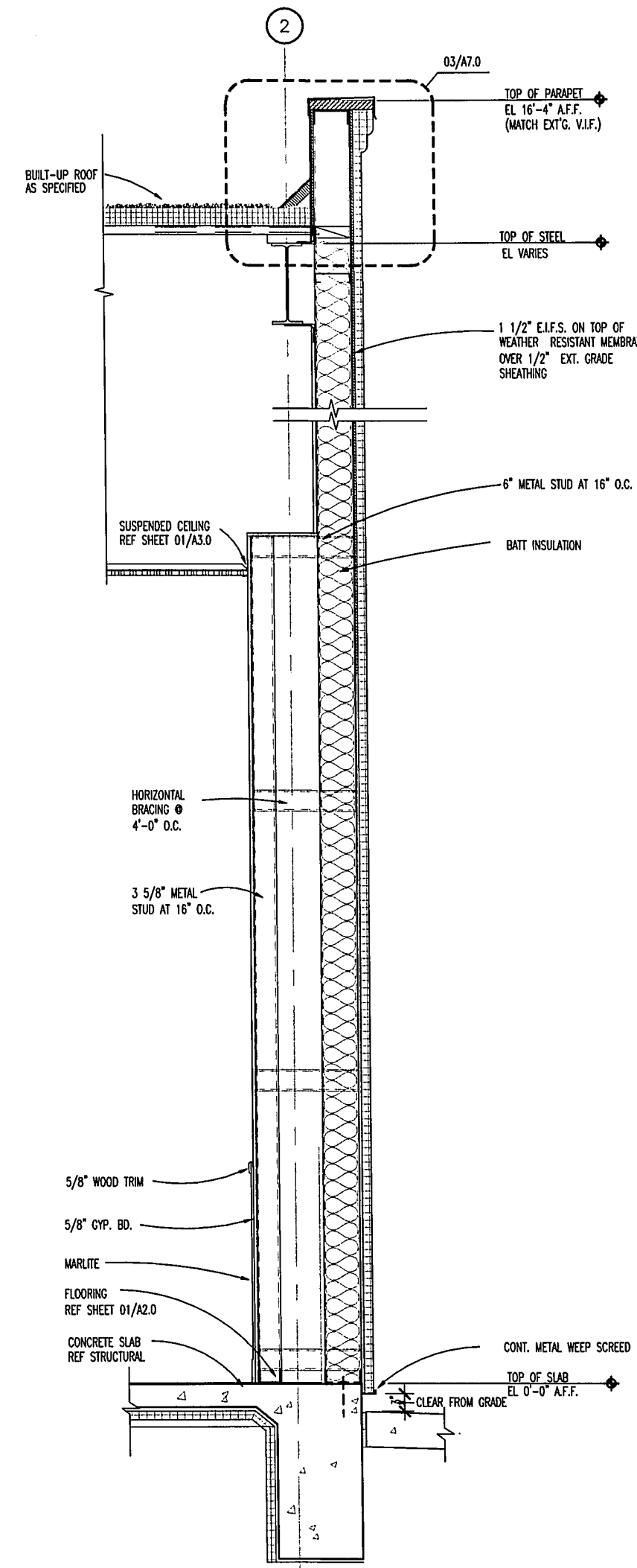
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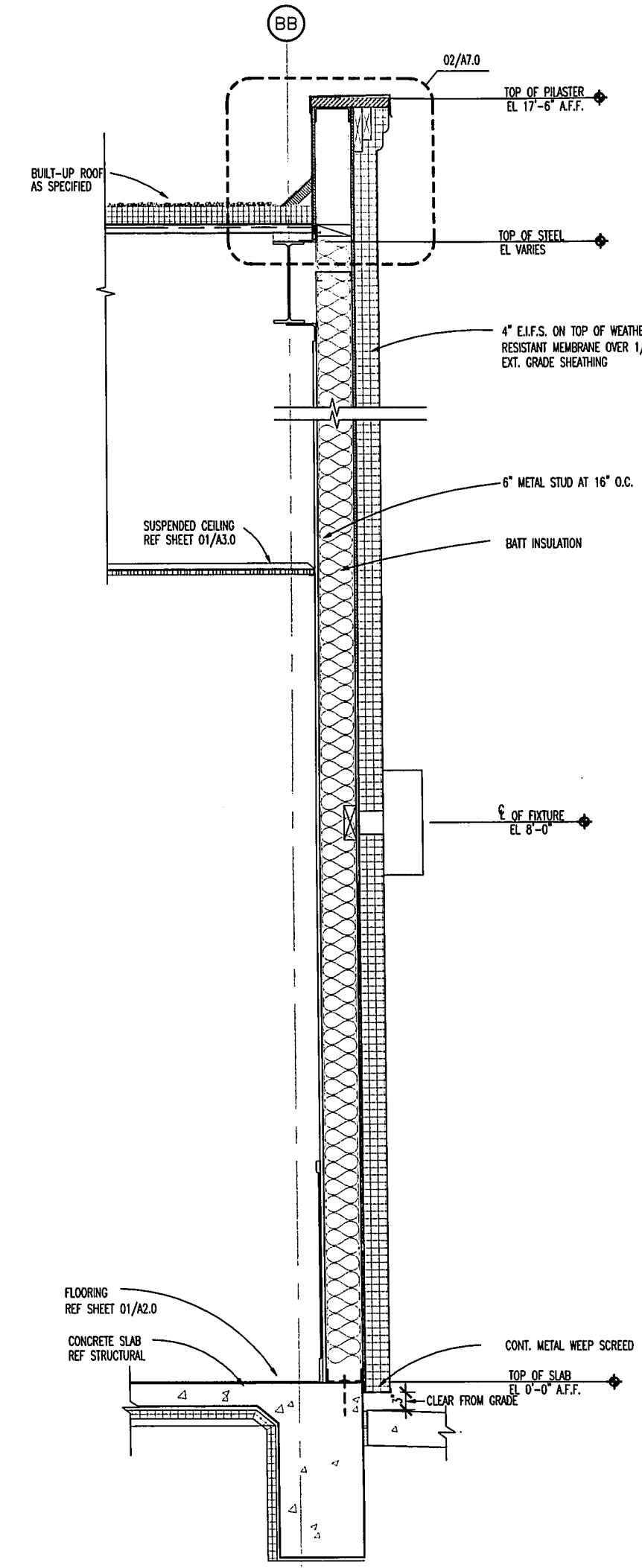
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SCALE: 3/4"=1'-0"



02 WALL SECTION
SCALE: 3/4"=1'-0"



03 WALL SECTION
SCALE: 3/4"=1'-0"



04 WALL SECTION
SCALE: 3/4"=1'-0"



SHI
ARCHITECTURE - PLANNING - DESIGN
C.T. CHANG, A.I.A.
1010 W. EULESS BLVD., SUITE 110
EULESS, TX 76040

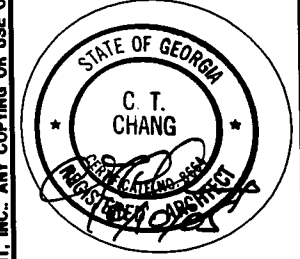
PRM

SAVANNAH, GA

CHUCK E. CHEESE'S PIZZA #605

6700 ABERCORN
SAVANNAH, GA 31405
C. E. C. ENTERTAINMENT, INC.
4441 WEST AIRPORT FREEWAY
IRVING, TEXAS 75062

EXTERIOR WALL SECTIONS



Date
10/10/2005

Revisions

Project Number
SB-805-2005

Sheet Number

A6.0
of 11

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19x24

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34

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

01 PILASTER DETAIL SCALE: 1/2"=1'-0"	02 PARAPET DETAIL SCALE: 1/2"=1'-0"	02 NOT USED SCALE: 1/2"=1'-0"	04 ROOF DETAIL SCALE: 1"=1'-0"	05 NOT USED SCALE: 3/4"=1'-0"	06 TYP. CONC. WALK SCALE: NOT TO SCALE
07 NOT USED SCALE: 1/2"=1'-0"	08 HEAD DTL./JAMB SIM. SCALE: 1/2"=1'-0"	09 ROOF DETAIL SCALE: 1/2"=1'-0"	10 NOT USED SCALE: 1/2"=1'-0"	11 NOT USED SCALE: 1/2"=1'-0"	12 TYP. CONC. CURB SCALE: NOT TO SCALE
13 NOT USED SCALE: 1/2"=1'-0"	14 SILL DETAIL SCALE: 1/2"=1'-0"	15 NOT USED SCALE: 3/8"=1'-0"	16 NOT USED SCALE: 1/2"=1'-0"	17 NOT USED SCALE: 1/2"=1'-0"	24 ACCESSIBLE SIGNAGE SCALE: NOT TO SCALE
19 NOT USED SCALE: 3/8"=1'-0"	20 THRESHOLD SCALE: 3/8"=1'-0"	21 NOT USED SCALE: 3/8"=1'-0"	22 NOT USED SCALE: 1/2"=1'-0"	23 NOT USED SCALE: 1/2"=1'-0"	

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817 354-8010

SAVANNAH, GA

DETAILS

Date: 10/10/2005

Revisions:

Project Number: SB-005-2005

Sheet Number: **A7.0** of 11

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07 NOT USED SCALE: 3"=1'-0"	08 CHAIR RAIL SCALE: 3"=1'-0"	09 NOT USED SCALE: 1 1/2"=1'-0"	10 NOT USED SCALE: 1/2"=1'-0"	11 NOT USED SCALE: 1"=1'-0"	12 NOT USED SCALE: 1/2"=1'-0"
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19 TYP. PARTITION SCALE: 1 1/2"=1'-0"	20 AIR CONNECTION DETAIL SCALE: 1 1/2"=1'-0"	23 FLOOR BOX CONNECTION SCALE: N.T.S.			



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CHUCK E. CHEESE'S PIZZA. #605

6700 ARESCOR
SAVANNAH, GA 31405
C. E. C. ENTERTAINMENT, INC.
1400 WEST PINE AVE. STE. 110
IRVING, TEXAS 75039

SAVANNAH, GA

DETAILS

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10/10/2005

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Project Number
SB-605-2005

Sheet Number
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of 11

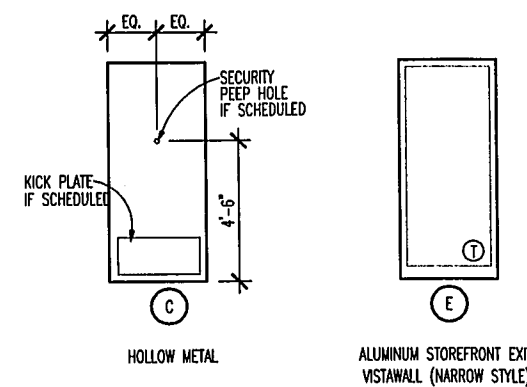
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ST. CHANG, AIA.
1010 W. EULESS BLVD., SUITE 110

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 4441 WEST AIRPORT FREEWAY

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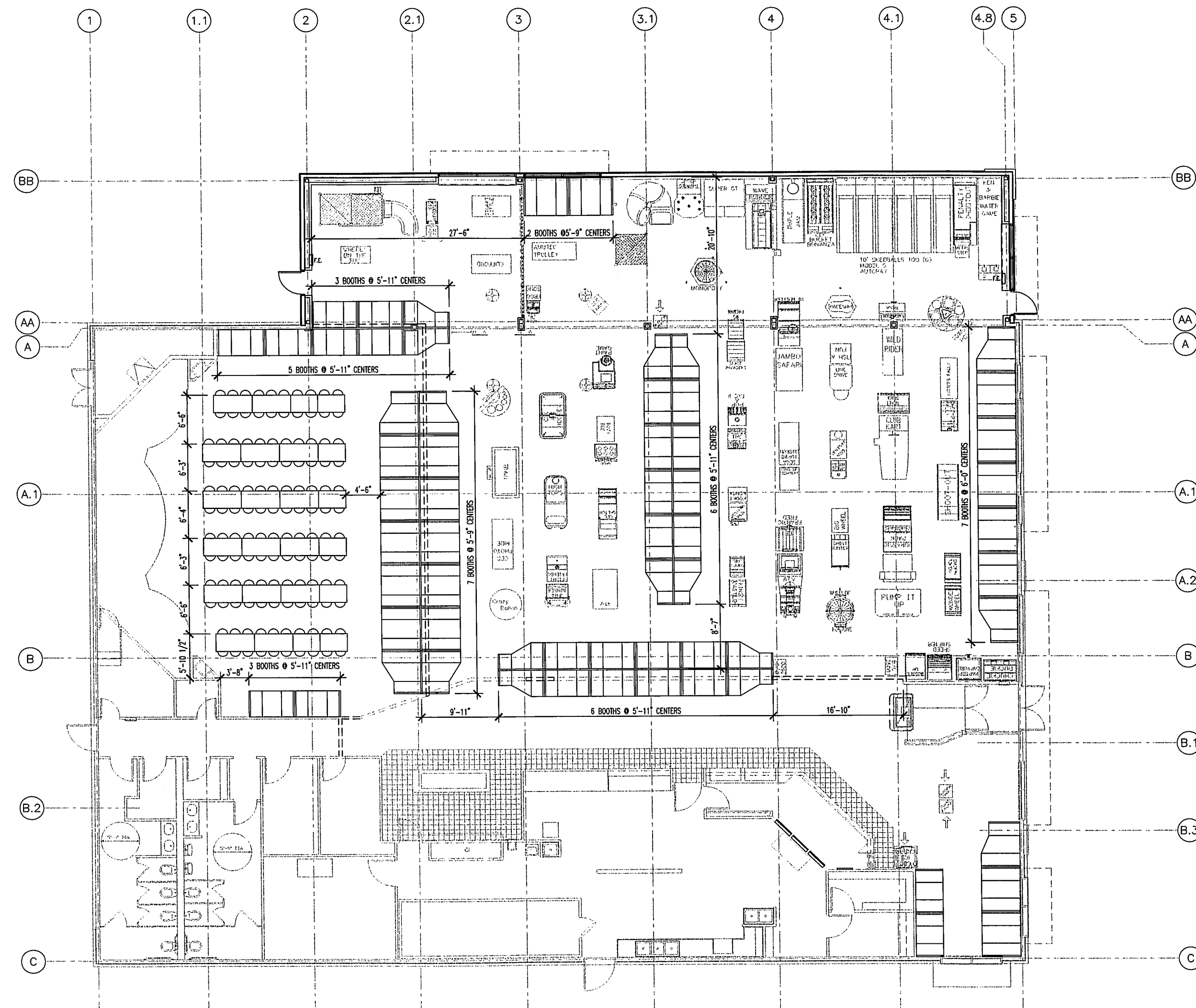
Project Number
SB-805-2005

Sheet Number
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of 11

Figure 1. The effect of the concentration of the polymer on the gelation time of the polymer solution. The concentration of the polymer was 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.0, 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8, 1.9, 2.0, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9, 3.0, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 4.0, 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 5.0, 5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.7, 5.8, 5.9, 6.0, 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7, 6.8, 6.9, 7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6, 8.7, 8.8, 8.9, 9.0, 9.1, 9.2, 9.3, 9.4, 9.5, 9.6, 9.7, 9.8, 9.9, 10.0, 10.1, 10.2, 10.3, 10.4, 10.5, 10.6, 10.7, 10.8, 10.9, 11.0, 11.1, 11.2, 11.3, 11.4, 11.5, 11.6, 11.7, 11.8, 11.9, 12.0, 12.1, 12.2, 12.3, 12.4, 12.5, 12.6, 12.7, 12.8, 12.9, 13.0, 13.1, 13.2, 13.3, 13.4, 13.5, 13.6, 13.7, 13.8, 13.9, 14.0, 14.1, 14.2, 14.3, 14.4, 14.5, 14.6, 14.7, 14.8, 14.9, 15.0, 15.1, 15.2, 15.3, 15.4, 15.5, 15.6, 15.7, 15.8, 15.9, 16.0, 16.1, 16.2, 16.3, 16.4, 16.5, 16.6, 16.7, 16.8, 16.9, 17.0, 17.1, 17.2, 17.3, 17.4, 17.5, 17.6, 17.7, 17.8, 17.9, 18.0, 18.1, 18.2, 18.3, 18.4, 18.5, 18.6, 18.7, 18.8, 18.9, 19.0, 19.1, 19.2, 19.3, 19.4, 19.5, 19.6, 19.7, 19.8, 19.9, 20.0, 20.1, 20.2, 20.3, 20.4, 20.5, 20.6, 20.7, 20.8, 20.9, 21.0, 21.1, 21.2, 21.3, 21.4, 21.5, 21.6, 21.7, 21.8, 21.9, 22.0, 22.1, 22.2, 22.3, 22.4, 22.5, 22.6, 22.7, 22.8, 22.9, 23.0, 23.1, 23.2, 23.3, 23.4, 23.5, 23.6, 23.7, 23.8, 23.9, 24.0, 24.1, 24.2, 24.3, 24.4, 24.5, 24.6, 24.7, 24.8, 24.9, 25.0, 25.1, 25.2, 25.3, 25.4, 25.5, 25.6, 25.7, 25.8, 25.9, 26.0, 26.1, 26.2, 26.3, 26.4, 26.5, 26.6, 26.7, 26.8, 26.9, 27.0, 27.1, 27.2, 27.3, 27.4, 27.5, 27.6, 27.7, 27.8, 27.9, 28.0, 28.1, 28.2, 28.3, 28.4, 28.5, 28.6, 28.7, 28.8, 28.9, 29.0, 29.1, 29.2, 29.3, 29.4, 29.5, 29.6, 29.7, 29.8, 29.9, 30.0, 30.1, 30.2, 30.3, 30.4, 30.5, 30.6, 30.7, 30.8, 30.9, 31.0, 31.1, 31.2, 31.3, 31.4, 31.5, 31.6, 31.7, 31.8, 31.9, 32.0, 32.1, 32.2, 32.3, 32.4, 32.5, 32.6, 32.7, 32.8, 32.9, 33.0, 33.1, 33.2, 33.3, 33.4, 33.5, 33.6, 33.7, 33.8, 33.9, 34.0, 34.1, 34.2, 34.3, 34.4, 34.5, 34.6, 34.7, 34.8, 34.9, 35.0, 35.1, 35.2, 35.3, 35.4, 35.5, 35.6, 35.7, 35.8, 35.9, 36.0, 36.1, 36.2, 36.3, 36.4, 36.5, 36.6, 36.7, 36.8, 36.9, 37.0, 37.1, 37.2, 37.3, 37.4, 37.5, 37.6, 37.7, 37.8, 37.9, 38.0, 38.1, 38.2, 38.3, 38.4, 38.5, 38.6, 38.7, 38.8, 38.9, 39.0, 39.1, 39.2, 39.3, 39.4, 39.5, 39.6, 39.7, 39.8, 39.9, 40.0, 40.1, 40.2, 40.3, 40.4, 40.5, 40.6, 40.7, 40.8, 40.9, 41.0, 41.1, 41.2, 41.3, 41.4, 41.5, 41.6, 41.7, 41.8, 41.9, 42.0, 42.1, 42.2, 42.3, 42.4, 42.5, 42.6, 42.7, 42.8, 42.9, 43.0, 43.1, 43.2, 43.3, 43.4, 43.5, 43.6, 43.7, 43.8, 43.9, 44.0, 44.1, 44.2, 44.3, 44.4, 44.5, 44.6, 44.7, 44.8, 44.9, 45.0, 45.1, 45.2, 45.3, 45.4, 45.5, 45.6, 45.7, 45.8, 45.9, 46.0, 46.1, 46.2, 46.3, 46.4, 46.5, 46.6, 46.7, 46.8, 46.9, 47.0, 47.1, 47.2, 47.3, 47.4, 47.5, 47.6, 47.7, 47.8, 47.9, 48.0, 48.1, 48.2, 48.3, 48.4, 48.5, 48.6, 48.7, 48.8, 48.9, 49.0, 49.1, 49.2, 49.3, 49.4, 49.5, 49.6, 49.7, 49.8, 49.9, 50.0, 50.1, 50.2, 50.3, 50.4, 50.5, 50.6, 50.7, 50.8, 50.9, 51.0, 51.1, 51.2, 51.3, 51.4, 51.5, 51.6, 51.7, 51.8, 51.9, 52.0, 52.1, 52.2, 52.3, 52.4, 52.5, 52.6, 52.7, 52.8, 52.9, 53.0, 53.1, 53.2, 53.3, 53.4, 53.5, 53.6, 53.7, 53.8, 53.9, 54.0, 54.1, 54.2, 54.3, 54.4, 54.5, 54.6, 54.7, 54.8, 54.9, 55.0, 55.1, 55.2, 55.3, 55.4, 55.5, 55.6, 55.7, 55.8, 55.9, 56.0, 56.1, 56.2, 56.3, 56.4, 56.5, 56.6, 56.7, 56.8, 56.9, 57.0, 57.1, 57.2, 57.3, 57.4, 57.5, 57.6, 57.7, 57.8, 57.9, 58.0, 58.1, 58.2, 58.3, 58.4, 58.5, 58.6, 58.7, 58.8, 58.9, 59.0, 59.1, 59.2, 59.3, 59.4, 59.5, 59.6, 59.7, 59.8, 59.9, 60.0, 60.1, 60.2, 60.3, 60.4, 60.5, 60.6, 60.7, 60.8, 60.9, 61.0, 61.1, 61.2, 61.3, 61.4, 61.5, 61.6, 61.7, 61.8, 61.9, 62.0, 62.1, 62.2, 62.3, 62.4, 62.5, 62.6, 62.7, 62.8, 62.9, 63.0, 63.1, 63.2, 63.3, 63.4, 63.5, 63.6, 63.7, 63.8, 63.9, 64.0, 64.1, 64.2, 64.3, 64.4, 64.5, 64.6, 64.7, 64.8, 64.9, 65.0, 65.1, 65.2, 65.3, 65.4, 65.5, 65.6, 65.7, 65.8, 65.9, 66.0, 66.1, 66.2, 66.3, 66.4, 66.5, 66.6, 66.7, 66.8, 66.9, 67.0, 67.1, 67.2, 67.3, 67.4, 67.5, 67.6, 67.7, 67.8, 67.9, 68.0, 68.1, 68.2, 68.3, 68.4, 68.5, 68.6, 68.7, 68.8, 68.9, 69.0, 69.1, 69.2, 69.3, 69.4,



01 FURNISHING PLAN
SCALE: 1/8"=1'-0"

SEATING	
LOCATION	COUNT
Showroom	195
Kiddie	106
Skills	110
TOTAL SEATING	411



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ARCHITECTURE - PLANNING - DESIGN

C.T. CHANG, A.I.A.

1010 W. EULESS BLVD., SUITE 110

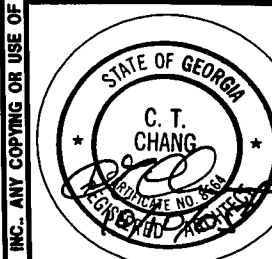


605 SAVANNAH, GA

CHUCK E. CHEESE'S PIZZA. #605

SAVANNAH, GA 31405
C. E. C. ENTERTAINMENT, INC.
4441 WEST AIRPORT FREEWAY

IRVING, TEXAS 75062



Date
10/10/2005

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SPECIFICATIONS

DIVISION 1 - GENERAL CONDITIONS

01010 Summary of Work

WORK COVERED BY CONTRACT DOCUMENTS

- WORK OF THIS CONTRACT COMPREHENSIVE, BUT IS NOT LIMITED TO, GENERAL CONSTRUCTION FOR A BUILDING EXPANSION, INCLUDING SITE WORK, FINISH OUT, HVAC, ELECTRICAL, AND PLUMBING TO AN EXISTING CEC ENTERTAINMENT, INC. (CEC), CHECK E. CHEESE UNIT.

- IT IS INTENT OF THESE DOCUMENTS, THAT THEY REPRESENT A COMPLETE TURN KEY PROJECT FOR THE SCOPE OF WORK DESCRIBED.
 - EXCEPTIONS AND INCONSISTENCIES IN THE DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO SUBMISSION OF BIDS OR START OF WORK.
 - QUALIFICATIONS OF BIDS WILL NOT BE ACCEPTED WITHOUT PRIOR APPROVAL OF THE OWNER'S REPRESENTATIVE.
 - EXCEPTIONS AND INCONSISTENCIES IN THE DOCUMENTS SHALL NOT BE A BASIS FOR A CHANGE ORDER.
 - IN CASE OF DIFFERENCE BETWEEN BUILDING CODES, STATE LAWS, LOCAL ORDINANCES, ADA, INDUSTRY STANDARDS, UTILITY COMPANY REGULATIONS AND THE CONTRACT DOCUMENTS, THE MOST STRINGENT SHALL CONTROL. ANY WORK INVOLVED WITH THESE DIFFERENCES SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER.

1.02 WORK BY OTHERS

- LANDLORD / TENANT (CEC) RESPONSIBILITY:
 - RESPONSIBILITY FOR THE WORK AS DESCRIBED IN THE DRAWINGS AND SPECIFICATIONS SHALL BE AS SET FORTH IN THE LEASE AND AS AGREED TO BY THE LANDLORD AND THE TENANT.

1.03 CONTRACT METHODS

CONSTRUCT THE WORK UNDER A SINGLE LUMP SUM CONTRACT.

1.04 CONTRACTOR USE OF THE SITE

- LIMIT USE OF PREMISES FOR WORK AND FOR CONSTRUCTION OPERATIONS.

- CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES AND STAGING OF MATERIALS DURING THE CONSTRUCTION OF THE PROJECT WITH THE OWNER'S REPRESENTATIVES IN ORDER TO ACHIEVE THE LEAST POSSIBLE INTERFERENCE WITH LOCAL REGULAR OWNER OPERATIONS, BUSINESS, PLANNING, DISMISSED, ETC.

1.05 GENERAL CONTRACTOR RESPONSIBILITY

- COORDINATE WORK OF THE VARIOUS SECTIONS OF SPECIFICATIONS TO ASSURE EFFICIENT AND ORDERLY SEQUENCE OF INSTALLATION OF CONSTRUCTION ELEMENTS, WITH PROVISIONS FOR ACCOMMODATING ITEMS INSTALLED LATER.
- COORDINATE ALL WORK OF VARIOUS SECTIONS OF THE SPECIFICATIONS HAVING INTERDEPENDENT RESPONSIBILITIES.
- COORDINATE SPACE REQUIREMENTS AND INSTALLATION OF PLUMBING AND ELECTRICAL WORK WHICH ARE INDICATED DISAPPROPRIATELY ON DRAWINGS.
 - FOLLOW ROUTING SHOWN FOR PIPES, DUCTS AND CONDUITS, AS CLOSELY AS PRACTICABLE, MAKE RUNS PARALLEL WITH LINES OF BUILDING.
 - UTILIZE SPACES EFFICIENTLY TO MAXIMIZE ACCESSIBILITY FOR OTHER INSTALLATIONS, MAINTENANCE AND REPAIRS.
- EXCISE CUTTING AND PATCHING TO INTEGRATE ELEMENTS OF WORK UNCOVER ALL TWO-OR NON-CONFORMING WORK, PROVIDE OPENINGS FOR PENETRATIONS OF EXISTING SURFACES, AND PROVIDE SAMPLES FOR TESTING.
 - SEAL PENETRATIONS THROUGH FLOORS, WALLS AND CEILINGS. PROVIDE FIRE RATINGS AS REQUIRED BY CODE.
 - RETURN ALL CUT, UNCOVERED OR EXCAVATED AREAS TO THEIR ORIGINAL CONDITION, UNLESS THESE AREAS ARE SCHEDULED TO RECEIVE NEW SURFACES.

1.06 MISCELLANEOUS FEES

LANDLORD SHALL PAY ALL IMPACT, UTILITY RESERVE, UP CONNECTION & USE FEES RELATED TO TENANT'S PROTECTED UTILIZATION OF INFRASTRUCTURE INCLUDING, BUT NOT LIMITED TO, ROAD IMPROVEMENT, WATER AND SEWER, FIRE PROTECTION, POLICE, FIRE AND EMERGENCY, RECREATION AND MAINTENANCE, MEDIAN STRIP AND LANDSCAPING, REZONING FEES, PARKING STUDIES AND SPECIAL PERMIT FEES, PROVIDED, HOWEVER, THAT TENANT SHALL PAY FOR FEES RELATED TO THE PHYSICAL CONNECTION OF UTILITIES.

1.07 PERMITS

LANDLORD AND/OR CONTRACTORS AND/OR SUBCONTRACTORS SHALL OBTAIN ALL NECESSARY PERMITS FOR THE WORK.

1.08 TEMPORARY UTILITIES

LANDLORD AND/OR CONTRACTORS AND/OR SUBCONTRACTORS ARE RESPONSIBLE FOR TEMPORARY UTILITIES FOR THEIR WORK INCLUDING PAYMENT OF UTILITY BILLS.

1.09 HAZARDOUS MATERIALS

LANDLORD WARRANTS THE SITE AND/OR BUILDING IS FREE OF ASBESTOS CONTAINING MATERIALS (ACM) AND ANY OTHER HAZARDOUS MATERIALS, IF NOT, WILL REMOVE AND DISPOSE OF ANY ASBESTOS OR OTHER HAZARDOUS MATERIALS IN ACCORDANCE WITH ALL APPLICABLE LAWS.

01210 Pre construction Meeting

A RECONSTRUCTION MEETING WILL BE HELD AT THE OFFICES OF THE OWNER FOR THE PURPOSES OF DISTRIBUTING FINAL CONSTRUCTION PLANS, REVIEWING BUDGETS, SCHEDULES AND RELATED PROJECT INFORMATION, INCLUDING SPECIFIC PROJECT REQUIREMENTS FOR SUBMITTALS AS SET FORTH IN SECTION 0140. SPECIFIC PROJECT REQUIREMENTS FOR TESTING AS SET FORTH IN SECTION 0140.

01310 Construction Schedules

GENERAL CONTRACTOR SHALL FURNISH A CONSTRUCTION SCHEDULE TO PROVIDE ADEQUATE PLANNING OF THE EXECUTION OF THE WORK.

01340 Submittals

NAME ALL SUBMITTALS REQUIRED AND AS NECESSARY TO ESTABLISH COMPLIANCE WITH THE SPECIFIED REQUIREMENTS OF THE WORK AND IN A TIMELY MANNER TO COMPLETE SCHEDULES. PROVIDE ADEQUATE COPIES TO ARCHITECT FOR GENERAL CONTRACTORS USE. ARCHITECT WILL RETURN 1 COPY PLUS 1 COPY FOR EACH CONSULTANT INVOLVED. ANY SUBMITTAL NOT BEARING THE REVIEW STAMP OF THE GENERAL CONTRACTOR WILL NOT BE REVIEWED.

01410 Testing Laboratory Services

PROVIDE TESTING AND INSPECTING, COMPLETE AS REQUIRED FOR VARIOUS SECTIONS OF THE WORK AND AS REQUIRED BY THE OWNER, THE ARCHITECT AND APPLICABLE GOVERNMENTAL AGENCIES.

01500 Temporary Facilities and Controls

GENERAL CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL TEMPORARY SERVICES AND CONTROLS AS REQUIRED TO ACCOMPLISH THE WORK IN ACCORDANCE WITH ALL APPLICABLE CODES AND ORDINANCES.

01630 Substitutions and Product Options

NO SUBSTITUTION OF PRODUCTS, MATERIALS OR EQUIPMENT SPECIFIED HEREIN WILL BE ALLOWED UNLESS SUBMITTED WITH SUBSTANTIATING DATA FOR OWNER'S WRITTEN APPROVAL, PRIOR TO INSTALLATION.

01700 Project Close-out

THE GENERAL CONTRACTOR SHALL PROVIDE ALL NECESSARY BONDS, GUARANTEES, RECEIPTS, AFFIDAVITS AND CERTIFICATE OF OCCUPANCY TO THE OWNER WITH RECORD DOCUMENTS, OPERATION, MAINTENANCE AND WARRANTY DATA, TAGGED KEYS AND HVAC TAB REPORT PRIOR TO FINAL ACCEPTANCE AND PAYMENT.

01710 Cleaning

SCHEDULE FINAL CLEANING PRIOR TO TURNING PROJECT OVER TO THE OWNER. PROFESSIONALLY CLEAN THE ENTIRE BUILDING. CHANGE OUT HVAC FILTERS. CLEAN GLASS INSIDE AND OUT. POLISH ALL SURFACES.

01720 Project Record Documents

GENERAL CONTRACTOR SHALL MAINTAIN AND FURNISH TO OWNER AT COMPLETION, A COMPLETE SET OF RECORD DOCUMENTS SHOWING ALL CHANGES MADE DURING CONSTRUCTION, INCLUDING THE ORIGINAL PERMIT SET.

01730 Operation, Maintenance & Warranty Data

GENERAL CONTRACTOR SHALL FURNISH TO OWNER AT COMPLETION, A COMPLETE SET OF OPERATING, MAINTENANCE AND WARRANTY MANUALS FOR ALL COMPONENTS OF THE WORK, INCLUDING BUT NOT LIMITED TO EQUIPMENT, FIXTURES, PRODUCTS AND FINISHES.

01740 Accessibility Inspection & Certification

GENERAL CONTRACTOR SHALL SECURE ANY ON-SITE INSPECTIONS AS REQUIRED BY THE STATE ON BEHALF OF THE OWNER AND CORRECT ALL REQUIRED DEFICIENCIES IN ORDER TO SECURE STATE COMPLIANCE FOR THE PROJECT PRIOR TO FINAL PAYMENT.

DIVISION 2 - SITE WORK

02070 Selective Demolition

- REMOVE ITEMS AS DESIGNATED OR ORDERED TO BE REMOVED ON THE DRAWINGS. PROVIDE AND PLACE BRACING AND/OR SHORING AS REQUIRED AND BE RESPONSIBLE FOR THE SAFETY AND SUPPORT OF THE EXISTING STRUCTURES.
- SECURE ANY NECESSARY PERMITS OR CLEARANCES AS REQUIRED TO FACILITATE THE DEMOLITION AND/OR THE TRANSPORTATION OF THE DEBRIS. DISPOSE OF ALL DEBRIS IN ACCORDANCE WITH LAWS IN EFFECT AT THE SITE.

02100 Site Preparation

- PROVIDE ALL SITE PREPARATION, EARTHWORK AND FINISH GRADING AS REQUIRED FOR COMPLETE PROJECT INCLUDING ALL CONTROLS AND PROTECTION OF ADJACENT PROPERTIES.
- PROVIDE ADEQUATE PARKING PER CODE, PARKING LOT LIGHTING, ACCESSIBLE PARKING LOCATIONS PER APPLICABLE CODES, ORDINANCES AND THE AMERICANS WITH DISABILITIES ACT (ADA).

02200 Earthwork and Finish Grading

- PERFORM ALL WORK REQUIRED TO COMPLETE EARTHWORK TO GRADES SHOWN ON DRAWINGS. ALL SELECT FILL SHALL HAVE A LIQUID LIMIT OF LESS THAN 30, A PLASTICITY INDEX BETWEEN 4 AND 12 AND BE FREE OF TRASH AND ROCKS.
- PROVIDE TOPSOIL, CONSISTING OF SANDY LOAM, FREE FROM BURLS, STONES, CLAY LUMPS, EXCESSIVE MATERIAL AND ROOTS. FINE GRADE AREAS TO ACHIEVE POSITIVE DRAINAGE AND CONTOURS AS SHOWN ON DRAWINGS.

02383 Spread Footings

- EXCAVATE TO DEPTHS REQUIRED, FORM, SHORE AND PLACE CONCRETE SPREAD FOOTINGS AS REQUIRED FOR STRUCTURES AS DICTATED BY THE GEO-TECHNICAL REPORT. PLACE CONCRETE WITH USE OF A TREMIE AND VIBRATE AS REQUIRED TO FULLY EMBED REINFORCING STEEL AND ELIMINATE VOIDS, BUT NOT SO MUCH AS TO SEPARATE AGGREGATE.

02521 Reinforced Concrete Paving

- PERFORM ALL WORK REQUIRED TO COMPLETE PAVING, SIDEWALKS, CURBS, RAMPS AND/OR DRIVES AS REQUIRED. ALL SITE CONCRETE WORK SHALL BE PER LOCAL CODES OR A MINIMUM 4" THICK WITH 6/8 X 10/10 WELDED WIRE MESH. PLACE CONTROL JOINTS AT 5'-0" ON CENTER AND EXPANSION JOINTS AT 30'-0" ON CENTER MINIMUM.
- PROVIDE HANDICAPPED ACCESSIBILITY PURSUANT TO CITY, COUNTY AND STATE HANDICAP CODES AS WELL AS THE AMERICANS WITH DISABILITIES ACT (ADA).

02523 Dumpster Enclosure

PROVIDE ENCLOSED DUMPSTER, AS REQUIRED, CONVENIENT TO SERVICE DOOR IN ACCORDANCE WITH LOCAL CODES AND REGULATIONS. ENCLOSURE SHALL BE OF SUFFICIENT SIZE AND COMPLETE WITH GUARD POSTS & COLD WATER HOSE BIB.

02575 Pavement Repair

REPAIR AND REPLACE ALL DAMAGED ASPHALT PAVING. COMPLETE PAVING TO PROVIDE A COMPLETE AND PROPER INSTALLATION.

02580 Pavement Markings

PROVIDE COMPLETE PAVING STRIPING, HANDICAPPED MARKINGS AND PAVEMENT LINES AS REQUIRED BY CITY, STATE & ADA.

02800 Landscape and Irrigation

PROVIDE PLANS, SUBMISSIONS TO AGENCIES AND/OR MODIFICATIONS TO LANDSCAPE AND IRRIGATION AS REQUIRED BY LANDLORD, ORDINANCE, CODE OR APPLICABLE AGENCY.

DIVISION 3 - CONCRETE

03200 Concrete Reinforcement

DEFORMED BULLET STEEL BARS SHALL CONFORM TO ASTM A-615, GRADE 60. TIES & STIRRUPS SHALL BE GRADE 40.

03300 Cast-in-Place Concrete

PROVIDE CONCRETE FLOOR SLAB IN ALL AREAS. SLAB TO BE A MINIMUM OF 4" THICK WITH PROPER STRUCTURAL REINFORCEMENT, DESIGNED WITH SUFFICIENT STRUCTURAL SUPPORT (GRADE BEAMS) AS DESIGNED BY REGISTERED STRUCTURAL ENGINEER IN ACCORDANCE WITH GEO-TECHNICAL REPORT.

DIVISION 4 - MASONRY

04220 Concrete Unit Masonry

- PROVIDE STANDARD 8" CMU REINFORCED WITH #5 AT 32" O.C. VERTICALLY OR AS REQUIRED BY LOCAL CODES.
- PROVIDE GALVANIZED WIRE TRUSS REINFORCING AT 8" O.C. VERTICALLY.
- PROVIDE FULL FOAMED INSULATION IN ALL MASONRY CAVITIES OF EXTERIOR WALLS NOT FILLED WITH MORTAR.

DIVISION 5 - METALS

05100 Structural Metal Framing

PROVIDE AND ERECT STEEL BEAMS, TUBE COLUMNS, TRUSS GIRDERS AND BRACING AS SHOWN ON DRAWINGS.

05200 Metal Joists

PROVIDE AND ERECT METAL JOISTS AS SHOWN AND SCHEDULED. IN AREAS SHOWN, JOIST SHALL BE HEAVY DUTY TO CARRY THE LOADS OF THE "SKY CRAM".

05300 Metal Decking

PROVIDE AND ERECT METAL DECKING AS SHOWN AND SCHEDULED.

05400 Cold-Formed Metal Framing

PROVIDE AND INSTALL 4" IN GAUGE METAL STUDS WITH 14 GAUGE TRACK AND MISCELLANEOUS COLD-FORMED FURNISH COMPONENTS AS REQUIRED FOR A COMPLETE INSTALLATION OF WORK SHOWN.

05500 Metal Fabrications

PROVIDE AND INSTALL ALL FABRICATED METALS INCLUDING BUT NOT LIMITED TO "SKY CRAM" FRAMING, BOLLARDS, ROOF LADDERS, LIFELINES, ANGLES, PLATES, INSERTS & MISCELLANEOUS COMPONENTS REQUIRED FOR ALL SECTIONS OF THE WORK.

05720 Ornamental Metal

PROVIDE AND INSTALL ALL ORNAMENTAL METALS INCLUDING BUT NOT LIMITED TO "JAM INDUSTRIES" 888/213/8089 INCLUDING BUT NOT LIMITED TO PLATES, PIPES, RAILS, FITTINGS AND ACCESSORIES AS SCHEDULED.

DIVISION 6 - WOOD AND PLASTICS

06100 Rough Carpentry

PROVIDE AND INSTALL ALL ROUGH CARPENTRY ITEMS AS REQUIRED FOR A COMPLETE AND PROPER INSTALLATION AND AS REQUIRED BY CODE. PROVIDE FIRE RETARDANT TREATED WOOD WHEN REQUIRED BY CODE.

WOOD FRAMING

GRADE MARKED DOUGLAS FIR-LARCH STRUCTURAL GRADE NO. 1 WOOD FRAMING AS SHOWN ON DRAWINGS.

SILLS, PLATES AND LEDGERS

GRADE MARKED DOUGLAS FIR-LARCH STRUCTURAL GRADE NO. 2 WOOD FRAMING AS SHOWN ON DRAWINGS. ALL SILLS OR PLATES ON CONCRETE OR MASONRY SHALL BE PRESSURE TREATED OR EQUAL.

CLU-LAM BEAMS AND POSTS

ENGINEERED CLU-LAM BEAMS AND POSTS SHALL COMPLY WITH "STANDARD SPECIFICATIONS FOR STRUCTURAL GLUED LAMINATED DOUGLAS FIR TIMBER". FABRICATOR SHALL SUBMIT A CERTIFICATE OF INSPECTION TO THE BUILDING OFFICIAL FOR EACH BEAM AND POST PRIOR TO ERECTION. SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION.

JOISTS

"TRUSS JOIST" TYPE AS SHOWN ON THE DRAWINGS. PROVIDE DESIGN CALCULATIONS AND SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION. PROVIDE ALL REQUIRED BLOCKING, BRACING, HANGERS AND BRIDGING REQUIRED FOR A COMPLETE AND PROPER INSTALLATION.

SHEET GOODS

CEILING: 1/2" CDX (MINIMUM 5 PLY) EXTERIOR 1" OR EQUIVALENT 1/2" OSB. SIDING: 3/4" 48/24 STRUCTURAL GRADE, TAG PLYWOOD.

BLOCKING AND MISCELLANEOUS TIMBER

PROVIDE AND INSTALL BLOCKING, BRACING AND MISCELLANEOUS FRAMING FOR ALL COMPONENTS AND EQUIPMENT AS SHOWN OR IMPLIED ON THE DRAWINGS AND OR AS REQUIRED FOR A PROPER INSTALLATION OF A BUILDING COMPONENT.

HARDWARE

ALL ROUGH HARDWARE, FASTENERS AND WISC. ITEMS REQUIRED FOR PROPER INSTALLATION OF COMPONENTS AS SHOWN.

WEATHER RESISTANT MEMBRANE

FURNISH & INSTALL TYVEK "STUCCO-WRAP" BY DUPONT COMPANY ON EXTERIOR OF ALL EXTERIOR WALL SHEETING.

06200 Finish Carpentry

FURNISH AND INSTALL ALL ITEMS NOT INCLUDED IN THE OWNER'S MILLWORK PACKAGE, INCLUDING BUT NOT LIMITED TO WOOD TRIM, MOLDINGS, WALL CAPS, LIGHT OUTER, AND ACCESSORIES FOR A COMPLETE & PROPER INSTALLATION.

06410 Millwork

INSTALL OWNER FURNISHED MILLWORK PACKAGE.

DIVISION 7 - THERMAL & MOISTURE

07210 Building Insulation

- PROVIDE AND INSTALL BUILDING INSULATION SUCH AS MANUFACTURED BY THE MANVILLE CORPORATION OR EQUAL AT ALL EXTERIOR WALLS. PROVIDE TAPE AND SEALER AS RECOMMENDED BY MANUFACTURER OF INSULATION WITH FIRE RESISTIVE AND FLEET RATING EQUAL TO THE INSULATION.
 - FOLY-FACED BATT INSULATION INSTALLED IN ALL EXTERIOR STUD WALLS. R-19 MINIMUM. FLAME SPREAD INDEX NOT TO EXCEED 75, SMOKE DEVELOPED INDEX NOT TO EXCEED 150.
 - UNFACED BATT INSULATION INSTALLED IN ALL INTERIOR PARTITIONS OF TOILETS, OFFICES, MECHANICAL ROOM, KITCHEN AND IN OTHER INTERIOR PARTITIONS WHERE INDICATED ON DRAWINGS. R-11 MINIMUM. FLAME SPREAD INDEX NOT TO EXCEED 10, SMOKE DEVELOPED INDEX NOT TO EXCEED 10.
 - SEMI-RIGID INSULATION BOARD INSTALLED IN ALL EXTERIOR EXTERIOR WALLS. R-4.5 MINIMUM.
 - FOUNDATION PERIMETER INSULATION (REQUIRED TO DEPTH AS DICTATED BY FROST LINE CONDITION). INSTALL 3/4" THICK ENERGY SHEILD ROOF INSULATION BOARD AT ALL PERIMETER FOUNDATIONS. R-5.2 MINIMUM.
- PROVIDE MOIST ABATEMENT SUCH AS NECESSARY TO SATISFY REQUIREMENTS OF LOCAL GOVERNING AUTHORITIES AS WELL AS ADJACENT TENANT.

07510 Built-up Bituminous Roofing System

PROVIDE 4-PLY BUILT-UP ROOFING (BUR) MEMBRANE, FREE GLASS MATERIAL SURFACED CAP SHEET, R-20 RIGID INSULATION, COUNTER FLASHING AND ACCESSORIES TO PROVIDE A COMPLETE, WATERPROOF ROOFING SYSTEM. PROVIDE A COMPLETE TOYER KOL (NO DRAIN LIMIT) MANUFACTURERS WARRANTY. ROOF INSULATION FLAME SPREAD INDEX NOT TO EXCEED 75, SMOKE DEVELOPED INDEX NOT TO EXCEED 450. SUBMIT MANUFACTURER'S SYSTEM, WARRANTY, LITERATURE AND MATERIAL SAMPLES TO ARCHITECT FOR REVIEW.

07600 Flashing and Sheet Metal

PROVIDE AND INSTALL ALL SUPPORTS, FITTER PANS, CUTTERS AND DOWN SPOUTS AS REQUIRED IN 24 GAUGE "PANT CRIP" GALVANIZED IRON AS REQUIRED AND AS APPROVED BY THE ROOFING SYSTEM MANUFACTURER.

07700 Roof Specialties

PROVIDE AND INSTALL 30" X 30" BLED 5-20 SERIES, GALVANIZED STEEL ROOF HATCH. PROVIDE AND INSTALL ALL REQUIRED CURBS, VENTS, AND MISCELLANEOUS ROOF ACCESSORIES AS REQUIRED.

07920 Sealants and Caulking

PROVIDE AND INSTALL ALL REQUIRED SEALANTS, CAULKING AND ACCESSORIES FOR ALL COMPONENTS OF THE WORK.

DIVISION 8 - DOORS AND WINDOWS

08100 Metal Doors and Frames

- PROVIDE AND INSTALL ALL 16 GAUGE HOLLOW METAL DOOR FRAMES WITH ANCHORS AND HARDWARE. OUTDOORS.
- PROVIDE AND INSTALL ALL 16 GAUGE HOLLOW METAL DOORS AS SHOWN. DOORS SHALL BE PREPARED TO RECEIVE FINISH HARDWARE AS APPROVED ON SUBMITTED SCHEDULE. FURNISH LABELS AS REQUIRED BY GOVERNING CODES.

08210 Flush Wood Doors

PROVIDE AND INSTALL THE HAWAII COMPANY THERMAL FLUSH DOORS (FOR INTERIOR USE) COLOR #129 NAVADO RED DOORS TO BE SUPPLIED BY UNIVERSAL MANUFACTURING COMPANY.

08411 Aluminum Storefronts

INSTALL FG 3008 SERIES WITH 1" GLASS AND 2"x4 1/2" FRAME. USE FG 2000 SERIES FOR APPLICATIONS CALLING OUT FOR 1/4" GLASS.

08412 Aluminum Entrance Doors

INSTALL WIDE STYLE ENTRANCE UNITS, VALSPAR 084A229 EUROPOIN PREMIER HOLLYBERRY RED COAT. CALLS 1 DARK BRONZE ANODIZED FRAMES TO MATCH STOREFRONT. HARDWARE AS SCHEDULED.

08710 Finish Hardware

SUBMIT HARDWARE SCHEDULE AND VIEWING SCHEDULE BASED ON DOCUMENTS FOR APPROVAL. FURNISH AND INSTALL ALL FINISH HARDWARE ON APPROVED SCHEDULE. MOUNT ALL DOOR CLOSURES TO WORKING SIDE OF DOORS.

08800 Glazing

COMPLY WITH ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT.
GLASS:
PROVIDE AND INSTALL ALL INSULATED GLAZING AND SINGLE GLAZING AS REQUIRED FOR A COMPLETE INSTALLATION. EXTERIOR GLAZING SHALL BE PPG 1 INSULATED UNITS W/ SC-05-05 (1/4" BRONZE EXTERIOR & 1/4" CLEAR INTERIOR).
MIRRORS:
PROVIDE AND INSTALL MIRROR IN CUSTOMER ROOM.

DIVISION 9 - FINISHES

09201 Exterior Insulation & Finish System

PROVIDE ALL MATERIAL, LABOR, AND EQUIPMENT NECESSARY FOR A COMPLETE INSTALLATION OF THE FLUID-APPLIED E.I.F.S. (DRYMT) SYSTEM, DONE IN STRICT ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES TO PROVIDE A COMPLETE AND WATERPROOF INSTALLATION BY A MANUFACTURER LICENSED APPLICATION.

- THE DRYMT SYSTEM, INCLUDING ALL RELATED PRODUCTS AND MATERIALS, SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE LATEST PUBLISHED RECOMMENDATIONS AND SPECIFICATIONS OF DRYMT SYSTEMS, INC.
- SUBMIT MANUFACTURER'S APPROVAL OF SUBSTRATE, SYSTEM & INSTALLER TO ARCHITECT WITH SAMPLES: FINISH: DRYMT "SANDBLAST"

09260 Gypsum Wall Board System

PROVIDE ALL GYPSUM WALLBOARD (5/8" TYPE X, GRADE X), CEMENT BACKER BOARD (DURLOCK OR WONDER BOARD), 22 GAUGE DRYWALL STUDS (2-1/2", 3-5/8" & 4"), METAL TRIM, CORNER BEADS, JOINTING SYSTEM, FASTENING DEVICES AND OTHER MATERIAL FOR A COMPLETE AND PROPER DRYWALL INSTALLATION.

09310 Porcelain Floor Tile

PROVIDE AND INSTALL ALL SCHEDULED PORCELAIN FLOOR TILE IN PATTERNS AS SHOWN ON DRAWINGS.

09311 Ceramic Wall Tile

PROVIDE AND INSTALL ALL SCHEDULED CERAMIC WALL TILE IN PATTERNS AS SHOWN ON DRAWINGS.

09330 Quarry Tile

PROVIDE AND INSTALL ALL SCHEDULED QUARRY TILE IN SERVICE AREAS AS SHOWN ON DRAWINGS.

09510 Acoustical Ceilings

PROVIDE ADEQUATE STRUCTURAL HEIGHT TO ALLOW 12" CEILINGS. PROVIDE CEILING AT ELEVATIONS SCHEDULED IN LOCATIONS WITH LATERAL BRACING AS SHOWN ON DRAWINGS.

09660 Resilient Flooring

PROVIDE AND INSTALL ALL SCHEDULED FLOORING WHERE SCHEDULED WITH ADHESIVE AS APPROVED BY THE MANUFACTURER.

09678 Resilient Base

PROVIDE AND INSTALL 4" HIGH RESILIENT BASE AS SCHEDULED WITH ADHESIVE AS APPROVED BY THE MANUFACTURER.

09697 Carpet

PROVIDE AND INSTALL CARPET, BLACK TRANSITION STRIPS AND ACCESSORIES AS SCHEDULED.

09900 Painting

PROVIDE AND APPLY PAINT TO ALL INTERIOR AND EXTERIOR SURFACES REQUIRED TO RECEIVE PAINT. ALL SURFACES SHALL BE PREPARED, PRIMER AND PAINTED WITH SHERWIN WILLIAMS MATERIALS FORMULATED FOR THE SPECIFIC SURFACE. SUBMIT SCHEDULE, SAMPLES, MANUFACTURERS PRODUCT DATA AND COLORS FOR APPROVAL PRIOR TO STARTING WORK.

09971 Fiberglass Wall Panels

PROVIDE AND INSTALL SCHEDULED FRP WITH ACCESSORIES AND TRIM WHERE SHOWN ON DRAWINGS.

09972 Morite Wall Panels

PROVIDE AND INSTALL SCHEDULED MORITE PANELS WHERE SHOWN ON DRAWINGS.

DIVISION 10 - SPECIALTIES

10260 Wall Corner Guards

- PROVIDE AND INSTALL "WHITE GLOSSY" CORNER GUARDS (1-1/8" X 4'-0") AT ALL EXPOSED WALL CORNERS EXCEPT KITCHEN AREAS.
- PROVIDE AND INSTALL "WHITE GLOSSY" CORNER GUARDS (1-1/8" X 4'-0") AT ALL EXPOSED HEADER CORNERS IN REST ROOMS & KITCHEN AREAS.
- PROVIDE AND INSTALL STAINLESS STEEL CORNER GUARDS (2" X 2" X 16 GAUGE X FULL HEIGHT) AT ALL EXPOSED WALL CORNERS IN KITCHEN. REF. A-1.

10400 Stagnage

A. FURNISH ALL REQUIRED PERMITS, LABOR, SUPERVISION, MATERIALS, SERVICES AND EQUIPMENT REQUIRED IN CONJ

MEP21 / PLOT VIEW: PLOT / PLOT SCALE: 1/8"=1'-0"

SPECIFICATIONS
DIVISION 15 - MECHANICAL
SECTION 15010 - STANDARD PROVISIONS

1. GENERAL CONDITIONS: The General Conditions, Special Conditions, Supplementary Conditions and the Mechanical specifications of the Main Specifications and "General Conditions of the Contract", current edition, established in standard form by the American Institute of Architects shall apply to all work on this project except as modified below. This Contractor shall familiarize himself with these provisions and adhere to these requirements. This Contractor shall coordinate his work with other trades and tenant requirements prior to installation.
 2. SCOPE
A. All material and equipment required by these specifications shall be furnished and completely installed together with all accessories and equipment required to allow operation of all equipment and systems as indicated herein and as normally required for mechanical service.
 3. RELATED DOCUMENTS: This Contractor is referred to the Architectural and Electrical plans and specifications. Such plans and specifications are a part of the contract documents. Contractors shall visit the site and familiarize themselves with all conditions surrounding the work. If any of the conditions require a modification of the systems indicated by these plans and specifications, the Contractor shall advise the Architect of the required modifications and if approved, include the cost of such modifications in his bid.
 4. PERMITS AND APPROVALS: Contractor shall provide all required permits and approvals. All work shall be performed in compliance with applicable codes, including local building, mechanical and electrical codes, ADA and Life Safety 101.
 5. PLANS AND SPECIFICATIONS: Throughout the course of the work, minor change and adjustments to the plans and specifications may be requested by the owner. The Contractor shall make such adjustments without additional cost to the owner, where such adjustments are necessary for the proper installation and operation of the systems, and within the intent of the contract documents. It is the intent of the plans and specifications to form a guide for a complete installation. Everything necessary for the completion and successful operation of the work, whether of not herein definitely specified or indicated on the drawings shall be furnished and installed as if specified or indicated herein at no additional cost to the owner. The Mechanical Contractor shall verify all dimensions and lengths prior to installation.
- Notwithstanding any other provisions of the contract documents, the Contractor bears ultimate responsibility for compliance of the installation with the requirements for the land and the local authority having jurisdiction.
- If any errors, discrepancies or omissions appear in the drawings, specifications or other such contract documents, the Contractor shall notify the Engineer in writing of such error or omission. In the event of the contractor failing to give such notice before construction, the errors, discrepancies or omissions shall be rectified by the contractor at no additional cost to the owner.
6. AS-BUILT DRAWINGS AND GUARANTEES
A. Provide as-built drawings, maintenance and operating manuals.
B. Guarantees shall be one year.
 7. MATERIALS AND EQUIPMENT: Materials and equipment shall be new and approved by Architect. Minimum standard shall be as specified herein or as required by code, whichever is more stringent. All equipment provided shall be UL listed unless Underwriters Laboratories does not test that type of equipment.
 8. UTILITY CONNECTIONS: Make all connections to existing utilities.
 9. SUBSTITUTIONS: Approval of Engineer required.
 10. WARRANTY: The Mechanical Contractor shall provide a written warranty that the entire installation is free from defects in materials and workmanship for a period of one year.

SECTION 15042 - TESTING AND ADJUSTING

1. All pipes shall be tested before they are concealed in furrings or chases, insulated, painted, or otherwise covered up or rendered inaccessible. Testing shall be accomplished by section of line or systems as required by the conditions during construction.
A. Soil, waste, vent, and drain lines: After all vertical soil, waste and vent lines have been set, all the outlets shall be temporarily plugged up. The pipes shall be filled with water, full to the top and allowed to remain so for at least four (4) hours. A final test shall be made after all vertical and horizontal soil, waste, and vent pipes have been installed, and before the sewer connections are made. In this case, on before, all pipes shall be filled to the top of the vertical lines and allowed to remain so for four (4) hours.
B. Minimum test pressure for all sections of piping shall be five (5) feet of water.
C. Water Systems: All water lines shall be tested under a hydrostatic pressure of 150 psig and proved tight.
2. Any leaks in piping systems shall be repaired. Leaks in soldered joints shall be repaired by remaking the joint and not soldering or brazing over existing joints will be permitted. Leaks in screwed joints shall be repaired by remaking the joint if tightening fails to stop the leak. Leaks in the caulked joints may be stopped by additional caulking of the joint; but, if that fails, the joints shall be remade. When any defect is repaired, that section of the system shall be retested and proved tight.

SECTION 15050 - BASIC MATERIALS AND METHODS

1. HANGERS: All pipe, one per section, per manufacturer's recommendations.
2. ACCESS DOORS: Provide for valves and equipment in concealed spaces.
3. PAINTING: Finish painting of exposed materials and equipment is excluded from Division 15.
4. All equipment shall be installed level.
5. SLEEVES: Provide where pipes pass through floors or exterior walls.
6. VALVES, STRAINERS AND UNIONS
A. Provide only approved material.
B. Isolate every piece of equipment and fixture with cut-off valves and unions.
C. Valves shall be selected for proper service.
D. Strainers and checks shall be provided to protect equipment and provide proper flow control.
7. CUTTING AND PATCHING: Do not cut structural members without first obtaining written permission from the Engineer.
8. ROOF PENETRATIONS: Provide all curbs flashings and waterproofing required to complete installation in a manner satisfactory to the Engineer.
9. ROUGH-IN AND FINAL CONNECTIONS: Provide as required for all equipment furnished by others.
10. IDENTIFICATION
A. Provide approved identification nameplates for all equipment. Use approved identification names.
B. Provide pipe identifiers for all piping.
C. Label all valves.
11. PIPING REQUIREMENTS: All piping methods shall conform to industry standards.

SECTION 15056 - DOMESTIC WATER PIPING (NOT USED)

1. SCOPE: Extend domestic cold water as shown.
2. PIPING SYSTEM
A. Piping above grade shall be Type L hard copper with solder joint fittings.
B. A lead-free solder must be used on all domestic water piping.
C. Provide dielectric unions at all connection and joints between different materials.

SECTION 15062 - SANITARY DRAINAGE (NOT USED)

1. BURIED WITHIN 5 FEET OF BUILDING:
A. Cast Iron Pipe: ASTM A74 service weight. Fittings: Cast iron. Joints: Hub-and-spigot. CISPI HSM compression type with ASTM C564 neoprene gaskets or lead and oakum.
B. PVC Pipe: Schedule 40 pvc piping with solvent welded pvc pipe fittings may be used if approved by local authorities.
2. ABOVE GRADE:
A. Cast Iron Pipe: ASTM A74, service weight. Fittings: Cast iron. Joints: Hub-and-spigot. CISPI HSM compression type with ASTM C564 neoprene gaskets or lead and oakum.
B. Cast Iron Pipe: CISPI 301, hubless, service weight. Fittings: Cast iron. Joints: Neoprene gaskets and stainless steel clamp-and-shield assemblies. ("No Hub").
C. PVC Pipe: Schedule 40 pvc piping with solvent welded pvc pipe fittings may be used if approved by local authorities.
3. Install sanitary drainage piping true to line with proper grading. Connect horizontal branches to one another with 45 degrees "Y" fittings, combination "Y" and 1/8 bend fittings. Connect horizontal lines to vertical stacks using 45 degrees "Y" branches, 60 degree "Y" branches or combination "Y" and 1/8 bend fittings. Horizontal branches turning down to vertical stacks may use a short sweep or 1/2 bend. Branches connecting to mains or to other branches shall enter the branch line at a 45 degree angle, fitted 45 degrees upward, so that the entry is from the side and top.
4. CLEANOUTS: Provide with approved covers.

SECTION 15180 - INSULATION

1. SCOPE: Completely insulate all systems as follows.
2. DUCTWORK
A. Supply concealed - 2 inch wrap.
B. Provide 1" liner in supply and return ducts 15 feet from blower.
3. PIPING
A. Domestic cold water - 1/2 inch fiberglass or Armaflex.
B. Hot water piping insulation shall be 1-1/2" fiberglass.
4. INSTALLATION
Insulation shall be per manufacturer's recommendations. Provide vapor barrier on cold water insulation.

SECTION 15500 - FIRE PROTECTION

1. The fire protection contractor shall provide all engineering, design, labor, and materials for the fire protection system. All aspects of the design, installations and equipment shall conform to the rules, regulations and requirements of the current standards of NFPA, UL, FM and all state, city and local codes, rules and regulations.
2. All piping shall be schedule 40 black steel pipe with grooved and/or screwed fittings.
3. Sprinkler heads shall be UL and F.M. approved for the use intended and shall be of the proper temperature rating. Sprinkler heads shall be chrome plated, pendant type heads, set in chrome plated or white plastic escutcheon plates (approximately 1/2" deep) and connected to piping run above the ceiling.

SECTION 15700 - AIR CONDITIONING UNITS

1. Provide Rooftop Air Conditioning Units (RTU) divided into zones as shown. Units shall be Carrier, Rooftop, Single Package Type, Combination DX cooling and Gas fired heating, mounted on a full perimeter factory and integral wiring. Contact Lorraine Smith at UTC Carrier, A&R Bldg., Carrier Parkway, Syracuse, NY 13221. Ph. (800)-690-1081.
2. Provide accessories and install system per the following:
Unit sizes 12.5 to 25 tons:
Rooftop units shall be Carrier 48HQ (Centurion) High Efficiency Models in Gas heating and Electric Cooling with the following accessories:
Thermostat controller, Carrier model # 332CT565PST Slide Bar sensor with heat/cold designator. Installing contractor shall set minimum Heat/Cool ranges within the Comfort Link controller on each HG unit per the directions in Control Set points.
Roof curbs shall be standard flat, 14" curbs (Field installed). (Adaptor curbs shall be by others)
Economizer (Factory installed, factory wired)
CO2 Sensor (Factory provided, field installed)
HACR Breaker/Disconnect (Factory installed and wired)
Supply and Return Air Smoke Detectors (Factory installed and wired, HG units only)
Verify evaporator motor and drive requirements for each unit per cfm/static pressure requirements shown on schedule.
115 Volt GFI (Factory installed and wired)
For information on equipment availability/job site coordination contact Lorraine Smith/Bill Jackson at (800)690-1081.

Unit sizes 3-12 tons:

- Rooftop units shall be Carrier 48HJ High Efficiency models in Gas Heating and Electric Cooling with the following accessories:
Thermostat controller, Carrier model # 33SC5P7H-01 Thermostat with remote sensor # ZONECORR501. Installing contractor shall Thermostat in managers office with Sensor mounted in space.
Roof curbs shall be standard flat, 14" curbs (Field installed). (Adaptor curbs shall be by others)
Manual outside air damper (Factory provided, field installed)
HACR Breaker/Disconnect (Factory installed and wired)
Supply and Return Air Smoke Detectors (Factory provided, Contractor installed and wired, HJ units only)
Verify evaporator motor and drive requirements for each unit per cfm/static pressure requirements shown on schedule.
115 Volt GFI (Factory installed and wired)
For information on equipment availability/job site coordination contact Lorraine Smith/Bill Jackson at (800)690-1081.

SECTION 15841 - LOW VELOCITY DUCTWORK

1. SCOPE: Provide sheet metal air distribution systems including all material, equipment and accessories for future connections to complete systems.
A. Heating and cooling supply air ducts. Maximum length of flex duct shall be 5' for connection to diffusers.
2. All materials and installation shall comply with local codes. Provide fire dampers at all penetrations to fire rated walls and ceilings.
3. SHEET METAL: All fabrication per SMACNA standards.

SECTION 15901 - AUTOMATIC CONTROLS

1. See Section 15700 Air Conditioning Units
2. Refer to Drawing:
- space sensor
- service test adjustment
Installation Contractor Set up instructions

SECTION 15998 - HVAC TESTING AND BALANCING

1. Upon completion of the installation and start-up of the systems, inspect, check, test, adjust, balance and record data on the performance of the air systems and components thereof.
2. The following basic components of the HVAC systems shall be tested, adjusted and balanced:
A. Air Distribution Systems
B. Air Moving Equipment
C. Control Systems Verification
3. Services required:
A. Test, adjust and balance the HVAC systems to provide optimum temperature, airflow and noise conditions in the conditioned spaces in the building while the HVAC equipment is operating efficiently.
B. Perform testing, adjusting, balancing and logging actual data on all air distribution and air moving equipment, heating and cooling equipment and the operating conditions of all motors, etc. as indicated in this specification.
4. Provide a complete report to owner as a condition of final payment. (Utilize CEC vendor list on A8.0)

SECTION 15999 - COMPRESSED AIR SYSTEM

1. Provide complete compressed air line system as required by owner, install owner furnished compressor. Furnish and install all components and accessories as shown for a complete working system.
2. System requires copper piping.

SPECIFICATIONS
DIVISION 16 - ELECTRICAL

SECTION 16010 - GENERAL

1. GENERAL CONDITIONS: The General Conditions, Special Conditions, Supplementary Conditions and the Electrical specifications of the Main Specifications and "General Conditions of the Contract", current edition, established in standard form by the American Institute of Architects shall apply to all work on this project except as modified below. This Contractor shall familiarize himself with these provisions and adhere to these requirements. This Contractor shall coordinate his work with other trades and tenant provisions prior to installation.
 2. SCOPE
A. All material and equipment required by these specifications shall be furnished and completely installed together with all accessories and equipment required to allow operation of all equipment and systems as indicated herein and as normally required for mechanical service.
 3. RELATED DOCUMENTS: This Contractor is referred to the Architectural and Mechanical plans and specifications. Such plans and specifications are a part of the contract documents. Contractors shall visit the site and familiarize themselves with all conditions surrounding the work. If any of the conditions require a modification of the systems indicated by these plans and specifications, the Contractor shall advise the Architect of the required modifications and if approved, include the cost of such modifications in his bid.
 4. PERMITS AND APPROVALS: Contractor shall provide all required permits and approvals. All work shall be performed in compliance with applicable codes, including local building, mechanical and electrical codes, ADA and Life Safety 101.
 5. PLANS AND SPECIFICATIONS: Throughout the course of the work, minor change and adjustments to the plans and specifications may be requested by the owner. The Contractor shall make such adjustments without additional cost to the owner, where such adjustments are necessary for the proper installation and operation of the systems, and within the intent of the contract documents.
- It is the intent of the plans and specifications to form a guide for a complete installation. Everything necessary for the completion and successful operation of the work, whether of not herein definitely specified or indicated on the drawings shall be furnished and installed as if specified or indicated herein at no additional cost to the owner. The Electrical Contractor shall verify all dimensions and lengths prior to installation.
- Notwithstanding any other provisions of the contract documents, the Contractor bears ultimate responsibility for compliance of the installation with the requirements for the land and the local authority having jurisdiction.
- If any errors, discrepancies or omissions appear in the drawings, specifications or other such contract documents, the Contractor shall notify the Engineer in writing of such error or omission. In the event of the contractor failing to give such notice before construction, the errors, discrepancies or omissions shall be rectified by the contractor at no additional cost to the owner.- 6. AS-BUILT DRAWINGS AND GUARANTEES
A. Provide as-built drawings, maintenance and operating manuals.
B. Guarantees shall be one year.
- 7. MATERIALS AND EQUIPMENT: Materials and equipment shall be new and approved by Architect. Minimum standard shall be as specified herein or as required by code, whichever is more stringent. All equipment provided shall be UL listed unless Underwriters Laboratories does not test that type of equipment.
- 8. UTILITY CONNECTIONS: Make all connections to existing utilities.
- 9. SUBSTITUTIONS: Approval of Engineer required.
- 10. WARRANTY: The Mechanical Contractor shall provide a written warranty that the entire installation is free from defects in materials and workmanship for a period of one year.

EXAMINATION OF SITE

1. Examine and inspect the site to determine conditions which will affect the work and include all work related to site conditions in the bid proposal.

CUTTING AND PATCHING

1. Coordinate the work to eliminate the cutting of existing work where possible. Where cutting of the existing work is necessary to accommodate the new construction, cut work in an approved and timely manner and patch work immediately thereafter to match existing construction.

PAINTING

1. Material in mechanical and electrical rooms shall contain cleaned factory finishes.

IDENTIFICATION OF ELECTRICAL EQUIPMENT

1. Label all switchgear, panels, starters, disconnects, etc., with engraved laminated nameplates attached to equipment. Label switches in a similar manner for switches not in sight of the load they control.

RECORDS FOR OWNER

1. Provide copy of as-built drawings, approved shop drawings, maintenance and parts list of all equipment. Record drawings shall be reproducible.

SECTION 16100 - SERVICE

1. Provide and install 120/208 3-phase, 4-wire electrical metered service as shown with a fused disconnect in accordance with all applicable codes. All components shall be as required by the National Electric Code.

SECTION 16120 - CONDUCTORS

1. Conductors shall be copper, THWN/THHN for branch circuits, THW or THWN for feeders, installed in accordance with NEC. Minimum size shall be #12 AWG except homerun greater than 100 feet which shall be #10 AWG minimum. Color code all wiring.

SECTION 16140 - WIRING DEVICES

1. Outlet Boxes: Galvanized stamped steel for all interior locations. Mount all boxes so that covers and plates will mount flush with the wall and ceiling finished surface. Provide plaster rings as necessary. Graft rings are not acceptable.
2. Engineer reserves the right to make minor changes.
3. All bars, hangers or caddy clips shall be galvanized steel. No wooden supports or makeshift devices will be allowed.
4. Switches receptacles, and covers shall be white unless otherwise noted.
5. Provide rain tight metal boxes with threaded conduit holes and cast metal face plates with spring hinged caps for wet locations.
6. Except as noted locate wall outlets at listed below:
A. Switches 48"
B. Receptacles 18"
C. Telephone 18"
D. Thermostats 54"
E. Kitchen and Bath (6" above countertop)
F. Wall Telephone 54"
7. When installed in masonry walls, located bottom of box at nearest masonry joint to dimension indicated, where outlets occur above counters or cabinets, correlate height of outlet with equipment - device will clear all trim.
8. Devices shall be specification grade, 20 amp minimum. Manufactures: Pass & Seymour, GE or Hubbell. Switches to be quiet type.
9. Switches mounted on the strike side of doors.
10. Devices to have smooth white nylon plates as required by the device. Outlets without devices, except telephone, to have blank white plates. Fasten plates in place by oval head screws, matching white device.

SECTION 16300 - RACEWAY SYSTEMS

- A. Rigid steel Conduit: Shall be constructed of mild steel piping, galvanized inside and outside. Conforming in all respects with Federal Specification WW-C-351C, ANSI C80.1, and applicable UL standards. Join rigid steel conduit by using hot-dipped galvanized threaded couplings.
- B. Electric metallic tubing (EMT): EMT shall be of high grade, steel, manufactured specifically to standards assuring maximum welding characteristics and ductility. EMT shall conform in all respects to Federal Specification WW-T-808B.
- C. Polyvinyl chloride-rigid nonmetallic-conduit (PVC): PVC conduit shall be rigid, Schedule 40, conforming in all respects to the applicable requirements of ASTM D-1784, D-883 and D-1600, and NEMA 3-9. PVC conduit shall be Type U (designed for underground installation without encasement concrete) joined with EPIC-40-PVC couplings of the solvent cement type to provide complete water tight joints. Conduit systems shall be UL listed for underground use, and shall be in conformance with the NEC.
- D. Corrosion protected conduit: shall be rigid steel conduit exactly as specified above furnished with a permanent, factory-fused polyvinyl jacket not less than 40 mils thick.
- E. Flexible metal conduit: shall be manufactured of mild steel strip material having a hot dip galvanized coating and meeting requirements of Federal Specification WW-C-566B for flexible metal conduit.
- F. Liquid tight flexible conduit: shall be manufactured exactly as specified for flexible metal conduit and, in addition, shall have a copper grounding strand and factory applied neoprene jacket. Liquid tight flexible conduit shall be UL Listed, Anacocon "Sealtite", Type UA.

SECTION 16400 - DISTRIBUTION AND LIGHTING PANELBOARDS

1. All panelboards and switchgear shall be on one manufacturer, in accordance with NEMA standards and bear Underwriters' LB labels.

SECTION 16450 - GROUNDING

1. Grounding shall be in accordance with NEC Article 250.
2. Provide green coated continuous grounding conductor, in addition to neutral for each circuit run as shown in the panel schedules. Neutral shall not be used as a ground for equipment. Equipment ground bonded to neutral at main service entrance only.

SECTION 16460 - TRANSFORMERS (NOT USED)

1. Provide three-phase, 60 cycle, dry-type, enclosed, air-cooled transformers where indicated on drawings. KVA rating shall be as noted. Transformers shall bear the UL label. Transformers shall have permanent nameplates with voltages, kva ratings, overload capacity based on allowable temperature rise, and connection diagram.
2. Units shall have Class "H" insulation with sound rating not to exceed 45 db in the 15 to 50 KVA size, 50 db in the 51 to 150 KVA size, and 55 db in the 151 to 300 KVA size.
3. Voltage rating shall be 480 volts, delta, primary and 120/208 volts, wye, secondary. Provide six 2-1/2" voltage taps, four below and two above normal voltage.
4. Temperature rise shall not exceed 150 degrees C above 40 degrees C ambient. Coils and core shall be mounted on vibration insulators.
5. Ground the secondary neutral of transformers to grounding conductor extended from ground bars as indicated on the drawings, and to the transformer enclosure.
6. Transformers shall be manufactured in accordance with latest NEMA and UL Standards.

SECTION 16500 - LIGHTING

1. Provide exit lights to comply with local codes and connect to the emergency power source. All light fixtures shall be located per the architectural plans. Furnish and install all lighting fixtures with lamps as scheduled. Contact Charlie Pike at Dealers Electric, Irving, TX 214/798-7000.

SECTION 16623 - MECHANICAL EQUIPMENT WIRING

1. Provide connection to mechanical equipment as required by equipment supplier in accordance with the NEC and other applicable NFPA standards.

SECTION 16721 - FIRE ALARM SYSTEMS

1. Furnish and install complete Fire Alarm System as required by local codes, including all required agency submittals, fees, permits and approvals.

SECTION 16725 - SECURITY ACCESS SYSTEM

1. Provide power and coordinate installation with Owner's Security Access Installer.

SECTION 16740 - TELEPHONES

1. Provide the necessary telephone rough-ins for the system selected by the owner.



ARCHITECTURE - PLANNING - DESIGN
C.T. CHANG, A.I.A.
1000 W. 10TH AVE., SUITE 110
EULESS, TX 76040
817-354-8010

SAVANNAH, GA

MECHANICAL SPECIFICATIONS

CHUCK E. CHEESE'S PIZZA. #605
6000 ABERCORN
SAVANNAH, GA 31405
C. E. C. ENTERTAINMENT, INC.
4441 WEST AIRPORT FREEWAY
IRVING, TEXAS 75062

10/10/2005

Revisions

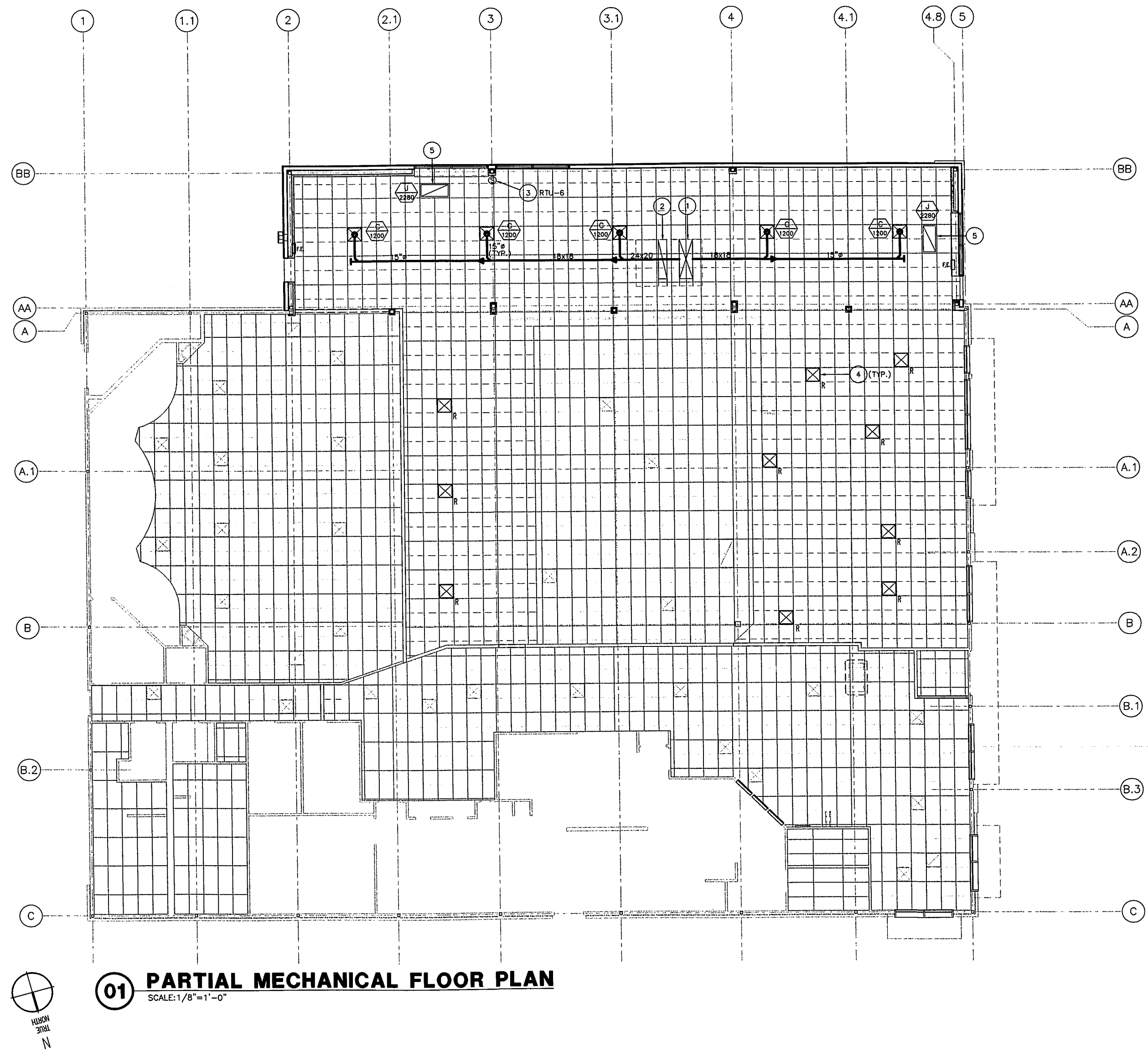
Project Number
SB-805-2005

Sheet Number
MEP2.1

of 5

MECHANICAL FLOOR PLAN / PLOT VIEW PLOT / PLOT SCALE: 1/8"=1'-0"

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----



01 PARTIAL MECHANICAL FLOOR PLAN
SCALE: 1/8"=1'-0"

GENERAL NOTES

1. THE MECHANICAL CONTRACTOR SHALL VERIFY THAT ALL EQUIPMENT, AS SHOWN ON THESE DRAWINGS, WILL NOT CONFLICT WITH ANY DRAINS, SCUTTLERS, JOINTS, VENTS, PIPING OR EQUIPMENT.
2. ALL ROOFTOP EQUIPMENT SHALL HAVE MANUFACTURER SUPPLIED ROOF CURBS AND PIPE SEALS.
3. THE MECHANICAL CONTRACTOR SHALL PROVIDE COMPLETE INFORMATION AND COOPERATION TO THE OTHER CONTRACTORS AND TRADES AS REQUIRED FOR COMPLETION AND COORDINATION OF THE COMPLETE PROJECT.
4. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ADMINISTERING ALL WARRANTIES ON EQUIPMENT WHICH HE INSTALLS. THIS INCLUDES, BUT IS NOT LIMITED TO REFRIGERANT LINES, ETC.
5. ALL OUTSIDE AIR INTAKES SHALL BE A MINIMUM OF 10'-0" FROM ANY EXHAUST FANS OR PLUMBING VENTS.
6. PROVIDE VIBRATION ISOLATION DEVICES AND FLEXIBLE CONNECTIONS TO ALL MOVING MACHINERY.
7. ALL FLEXIBLE DUCTS SHALL BE SUPPORTED EVERY 3'-0" WITH 2" WIDE GALV. STEEL BANDS WITH A MINIMUM OF ONE PER EACH SECTION OF FLEXIBLE DUCT.
8. NO FLEXIBLE DUCTWORK SHALL BE ALLOWED ABOVE INACCESSIBLE CEILINGS.
9. ALL DUCT DIMENSIONS SHOWN ON DRAWINGS ARE CLEAR INSIDE DIMENSIONS.
10. THE MECHANICAL CONTRACTOR SHALL COORDINATE ALL DUCT AND DIFFUSER LOCATIONS WITH SPRINKLER PIPING, SPRINKLER HEADS AND LIGHTING LAYOUTS AS REQUIRED.
11. THE MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES, ALL REQUIRED OPENINGS AND EXCAVATIONS. ALL REQUIRED OPENINGS IN FOUNDATIONS, FLOORS, WALLS AND ROOF SHALL BE CONSTRUCTED INTO THE STRUCTURE WITH THE USE OF SLEEVES, CURBS, ETC. CUTTING AND PATCHING SHALL BE HELD TO A MINIMUM.
12. ALL ITEMS PROJECTING THROUGH ROOFS SHALL BE FLASHED THROUGH CURBS OR PIPE SEALS A MINIMUM OF 1" ABOVE THE ROOF. THE PIPE CURBS AND SEALS SHALL BE SUPPLIED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE ROOFING CONTRACTOR. INSURE THAT AMPLE BOOT OPENINGS ARE PROVIDED TO ACCOMMODATE ANY ELECTRICAL CONDUIT PENETRATIONS REQUIRED.
13. REFER TO ARCHITECTURAL DOOR SCHEDULE FOR DOORS THAT ARE TO BE UNDERCUT.
14. PROVIDE EACH AIR CONDITIONING UNIT WITH DUCT MOUNTED SMOKE DETECTOR IN THE SUPPLY DUCT, CAPABLE OF SHUTTING DOWN ITS RESPECTIVE AIR CONDITIONING UNIT UPON ACTIVATION. ALL LINE VOLTAGE WIRING AND CONDUIT SHALL BE BY THE ELECTRICAL CONTRACTOR AND ALL OTHER WORK SHALL BE BY THE MECHANICAL CONTRACTOR.

PLAN NOTES

1. 34x20 SUPPLY AIR DUCT UP THRU ROOF TO RTU-6. TRANSITION IN VERTICAL TO UNIT OPENING SIZE.
2. 40x20 RETURN AIR DUCT UP THRU ROOF TO RTU-6. TRANSITION IN VERTICAL TO UNIT OPENING SIZE. EXTEND RETURN AIR DUCT PAST ROOF DECK & INSULATION FOR RETURN AIR PLENUM.
3. LOCATION OF CARRIER #33ZCT56SPT SLIDE BAR SENSOR @ CONNECTED TO CARRIER COMFORTLINK CONTROL PANEL IN RTU. MOUNT 54" A.F.F.
4. EXTEND EXISTING DUCT FOR RELOCATED DIFFUSER. (TYP.)
5. RETURN AIR RUNS THROUGH CEILING PLENUM.

CHUCK E. CHEESE'S PIZZA #605
6700 ABERCORN
SAVANNAH, GA 31405
C. E. C. ENTERTAINMENT, INC.
4441 WEST AIRPORT FREEWAY
IRVING, TEXAS 75062

SAVANNAH, GA

MECHANICAL FLOOR PLAN

Date
10/10/2005

Revisions

Project Number
SB-605-2005

Sheet Number
M1.1
of 5

MECHANICAL SCHEDULES AND DETAILS

ROOFTOP UNIT SCHEDULE																								
MARK	MFG'R	MODEL	NOM. TONS	SUPPLY CFM	SUPPLY FAN H.P.	EXT. S.P.	O/A CFM	COOLING BTUH		HEATING BTUH		ELECTRICAL								ZONE SERVED	REMARKS			
								COOLING TOTAL	COOLING SENSIBLE	HEATING INPUT	HEATING OUTPUT	COMP. NO.	COMP. RLA EA.	FAN NO.	FAN FLA EA.	VOLT	ø	MCA	FUSE SIZE			E.E.R.	OPER. WEIGHT LBS	
RTU 1	CARRIER	48EP008	7.5	3000			0.8"	1085	91,000	67,000	225,000	168,000					208	3	55.8	70			KITCHEN DINING	EXISTING SEE NOTE 3
RTU 2	CARRIER	48DR012	10	4000			0.8"	1400	149,000	90,600	231,000	183,000					208	3	72.0	90			STAGE DINING	EXISTING SEE NOTE 3
RTU 3	CARRIER	48DR012	10	4000			0.8"	1400	149,000	90,600	231,000	183,000					208	3	72.0	90			GAMES DINING	EXISTING SEE NOTE 3
RTU 4	CARRIER	48DR012	10	4000			0.8"	1400	149,000	90,600	231,000	183,000					208	3	72.0	90			GAMES DINING	EXISTING SEE NOTE 3
RTU 5	CARRIER	48DR012	10	4000			0.8"	1400	149,000	90,600	231,000	183,000					208	3	72.0	90			GAMES DINING	EXISTING SEE NOTE 3
RTU 6	CARRIER	48HD016	15	6000	3.7		0.8"	1440	144,000	88,000	250,000	205,000	3	16.7	4	1.5	208	3	76.0	90	11.5	2700	ADDITION DINING	SEE NOTES

4. FOOTNOTES FOR CEC, INC. - SPECIFICATIONS.

RoofTop units shall be Carrier model 48HG (Century). Thermostat controller shall be Carrier model (33ZCT56SP7) slide bar sensor with heat/cold designator. Installing contractor shall set Heat/Cool ranges at each unit. Roof curbs shall be standard flat, 14" curbs(Field installed) Economizer(Factory provided, Factory installed) CO 2 sensor (Factory provided, Field installed) Barometric Relief Damper (Factory provided, Factory installed) HACR Breaker/Disconnect (Factory installed and wired) Supply and Return Air Smoke Detectors (Factory installed and wired, HG units only) Verify evaporator motor and drive requirements for each unit per cfm/static pressure requirements. 115 Volt, GFI(Factory installed and wired) For information on equipment availability/psite coordination contact Lorraine Smith/Bill Jackson at (800)690-1081.

NOTES:

1. UNITS SELECTED AT 80°F DB, 67°F WB, 105°F OUTDOOR AMBIENT.

2. NO UNIT LOSSES INCLUDED. ALLOW FOR WET COIL AND DIRTY FILTER.

3. ADJUST O/A CFM, AS NOTED.

AIR DISTRIBUTION											
MARK	MFG'R	MODEL	FLOW RATE CFM	CORE VEL. FPM	N.C. LEVEL	MODULE SIZE	NECK SIZE	MOUNTING TYPE	DESCRIP-TN	NOTES	CFM. RANGE
RTU 1	OR EQUAL	TDC-AA	SEE PLANS	500 MAX.	30 MAX.	24x24	12"	LAY-IN	4-WAY FIXED LOUVER C.L.G. DIFFUSER	1, 2	426-600
RTU 2	OR EQUAL	TDC-AA	SEE PLANS	500 MAX.	30 MAX.	24x24	10"	LAY-IN	4-WAY FIXED LOUVER C.L.G. DIFFUSER	1, 3	251-425
RTU 3	OR EQUAL	TMS-AA	SEE PLANS	800 MAX.	30 MAX.	24x24	15"	LAY-IN	4-WAY FIXED LOUVER C.L.G. DIFFUSER	1, 3	800-980
RTU 4	OR EQUAL	TMS-AA	SEE PLANS	750 MAX.	30 MAX.	24x24	14"	LAY-IN	4-WAY FIXED LOUVER C.L.G. DIFFUSER	1, 3	600-799
RTU 5	OR EQUAL	TMS-AA	SEE PLANS	750 MAX.	30 MAX.	24x24	12"	LAY-IN	4-WAY FIXED LOUVER C.L.G. DIFFUSER	1, 3	450-599
RTU 6	OR EQUAL	TMS-AA	SEE PLANS	700 MAX.	30 MAX.	24x24	10"	LAY-IN	4-WAY FIXED LOUVER C.L.G. DIFFUSER	1, 3	250-449
RTU 7	OR EQUAL	TMS-AA	SEE PLANS	500 MAX.	30 MAX.	24x24	8"	LAY-IN	4-WAY FIXED LOUVER C.L.G. DIFFUSER	1, 3	0-249
RTU 8	OR EQUAL	TMS-AA	SEE PLANS	500 MAX.	30 MAX.	24x24	8"	LAY-IN	4-WAY FIXED LOUVER C.L.G. DIFFUSER	1, 3, 6	0-170
RTU 9	OR EQUAL	50FL	SEE PLANS	500 MAX.	30 MAX.	(2) 48x24	(2) 46x22	LAY-IN	SLOTTED 0" DEFLECTION RETURN GRILLE	1, 5	
RTU 10	OR EQUAL	50FL	SEE PLANS	500 MAX.	30 MAX.	48x24	46x22	LAY-IN	SLOTTED 0" DEFLECTION RETURN GRILLE	1	
RTU 11	OR EQUAL	56FL	SEE PLANS	500 MAX.	30 MAX.	24x24	12x8	LAY-IN	0" DEFLECTION SLOTTED EXHAUST GRILLE	1	
RTU 12	OR EQUAL	56FL	SEE PLANS	500 MAX.	30 MAX.	24x24	22x22	LAY-IN	0" DEFLECTION SLOTTED TRANSFER GRILLE	1	
RTU 13	OR EQUAL	6SS	SEE PLANS	500 MAX.	30 MAX.	24x24	22x22	LAY-IN	PERFORATED EXHAUST GRILLE	4	STAINLESS
RTU 14	OR EQUAL	27ZFS	SEE PLANS	500 MAX.	30 MAX.	14x10	12x8	SURFACE	SIDEWALL SUPPLY GRILLE	1	
RTU 15	OR EQUAL	56FL	SEE PLANS	500 MAX.	30 MAX.	14x10	12x8	SURFACE	0" DEFLECTION SLOTTED RETURN GRILLE	1	

NOTES:

1. PROVIDE WITH OFF-WHITE FINISH.

2. PROVIDE WITH AG-75 DAMPER, AT DIFFUSER.

3. PROVIDE WITH AG-35-AA DAMPER, IN DUCT.

4. PROVIDE WITH AG-15-SS DAMPER, AT GRILLE.

5. PROVIDE TWO (2) RETURN GRILLE, SIDE-BY-SIDE, FOR 48"x48" MODULE.

6. 12"x12" FACE SIZE.

ROOFTOP UNIT LABELING					
ALL ROOFTOP UNITS ARE TO BE LABELED WITH ENGRAVED LAMINATED NAMEPLATES, SCREENED TO THE EXTERIOR OF THE UNITS SHOWING THE FOLLOWING INFORMATION :					
1.	UNIT NUMBER	_____			
2.	MODEL NUMBER	_____			
3.	SERIAL NUMBER	_____			
4.	GAS OR ELECTRIC HEAT	_____			
5.	TONNAGE	_____			
6.	VOLTAGE	_____			

AIR BALANCE SCHEDULE					
ZONE 1 KITCHEN (EXISTING)					
MARK	SUPPLY AIR-CFM	RETURN AIR-CFM	OUTSIDE AIR-CFM	EXHAUST AIR-CFM	PRESSURE
RTU 1	3000	1915	1085	-----	+1085
RTU 2	-----	-----	-----	1080	-1080
RTU 3	-----	-----	-----	600	-600
RTU 4	-----	-----	-----	-----	-----
SUBTOTAL	3000	1915	1085	1680	-595
ZONE 2 DINING ADDITION					
MARK	SUPPLY AIR-CFM	RETURN AIR-CFM	OUTSIDE AIR-CFM	EXHAUST AIR-CFM	PRESSURE
RTU 5	6000	4560	1440	-----	+1440
SUBTOTAL	6000	4560	1440	-----	+1440
ZONE 3 EXISTING RTU'S					
MARK	SUPPLY AIR-CFM	RETURN AIR-CFM	OUTSIDE AIR-CFM	EXHAUST AIR-CFM	PRESSURE
RTU 1	4000	2600	1400	-----	+1400
RTU 2	4000	2600	1400	-----	+1400
RTU 3	4000	2600	1400	-----	+1400
RTU 4	4000	2600	1400	-----	+1400
SUBTOTAL	16000	10400	5600	-----	+5600
BUILDING TOTAL	25000	16877	8125	1680	+6445

NOTES:

1. ADJUST OUTSIDE AIR FOR ALL EXISTING RTU'S AS SHOWN.

2. A COMPLETE TEST AND AIR BALANCE SHALL BE PERFORMED ON ALL AIR DISTRIBUTION EQUIPMENT. THE TEST AND BALANCE SHALL BE PERFORMED BY AN INDEPENDENT, FULLY CERTIFIED TAB AGENCY THAT SPECIALIZES IN THE TESTING AND BALANCING OF AIR AND HYDRONIC SYSTEMS. THE TAB AGENCY SHALL SUBMIT TO THE OWNER (6) COPIES OF A WRITTEN REPORT WITHIN 10 DAYS AFTER THE INSPECTION IS COMPLETE. LIST ALL COMPLAINTS AND MALFUNCTIONS ENCOUNTERED AND INDICATE STEPS TAKEN OR NEEDED TO BE TAKEN TO CORRECT.

AIR DISTRIBUTION									
MARK	MFG'R	MODEL	FLOW RATE CFM	CORE VEL. FPM	N.C. LEVEL	MODULE SIZE	NECK SIZE	MOUNTING TYPE	DESCRIPTION
RTU1	TITUS	TDC-AA	SEE PLANS	500 MAX.	30 MAX.	24x24	12"ø	LAY-IN	4-WAY FIXED LOWER CLG. DIFFUSER
RTU2	TITUS	TDC-AA	SEE PLANS	500 MAX.	30 MAX.	24x24	10"ø	LAY-IN	4-WAY FIXED LOWER CLG. DIFFUSER
RTU3	TITUS	TMS-AA	SEE PLANS	800 MAX.	30 MAX.	24x24	15"ø	LAY-IN	4-WAY FIXED LOWER CLG. DIFFUSER
RTU4	TITUS	TMS-AA	SEE PLANS	750 MAX.	30 MAX.	24x24	14"ø	LAY-IN	4-WAY FIXED LOWER CLG. DIFFUSER
RTU5	TITUS	TMS-AA	SEE PLANS	750 MAX.	30 MAX.	24x24	12"ø	LAY-IN	4-WAY FIXED LOWER CLG. DIFFUSER
RTU6	TITUS	TMS-AA	SEE PLANS	600 MAX.	30 MAX.	24x24	10"ø	LAY-IN	4-WAY FIXED LOWER CLG. DIFFUSER
RTU7	TITUS	TMS-AA	SEE PLANS	500 MAX.	30 MAX.	24x24	8"ø	LAY-IN	4-WAY FIXED LOWER CLG. DIFFUSER
RTU8	TITUS	TMS-AA	SEE PLANS	500 MAX.	30 MAX.	24x24	8"ø	LAY-IN	4-WAY FIXED LOWER CLG. DIFFUSER
RTU9	TITUS	50FL	SEE PLANS	500 MAX.	30 MAX.	(2) 48x24	(2) 46x22	LAY-IN	SLOTTED 0° DEFLECTION RETURN GRILLE
RTU10	TITUS	50FL	SEE PLANS	500 MAX.	30 MAX.	48x24	46x22	LAY-IN	SLOTTED 0° DEFLECTION RETURN GRILLE
RTU11	TITUS	56FL	SEE PLANS	500 MAX.	30 MAX.	24x24	12x8	LAY-IN	0° DEFLECTION SLOTTED EXHAUST GRILLE
RTU12	TITUS	56FL	SEE PLANS	500 MAX.	30 MAX.	24x24	22x22	LAY-IN	0° DEFLECTION SLOTTED TRANSFER GRILLE
RTU13	TITUS	8SS	SEE PLANS	500 MAX.	30 MAX.	24x24	22x22	LAY-IN	PERFORATED EXHAUST GRILLE
RTU14	TITUS	272FS	SEE PLANS	500 MAX.	30 MAX.	14x10	12x8	SURFACE	SIDEWALL SUPPLY GRILLE
RTU15	TITUS	56FL	SEE PLANS	500 MAX.	30 MAX.	14x10	12x8	SURFACE	0° DEFLECTION SLOTTED RETURN GRILLE

NOTES:

1. PROVIDE WITH OFF-WHITE FINISH.

2. PROVIDE WITH AG-75 DAMPER, AT DIFFUSER.

3. PROVIDE WITH AG-35-AA DAMPER, IN DUCT.

4. PROVIDE WITH AG-15-SS DAMPER, AT GRILLE.

5. PROVIDE TWO (2) RETURN GRILLE, SIDE-BY-SIDE, FOR 48"x48" MODULE.

6. 12"x12" FACE SIZE.

ROOFTOP UNIT LABELING

ALL ROOFTOP UNITS ARE TO BE LABELED WITH ENGRAVED LAMINATED NAMEPLATES, SCREWED TO THE EXTERIOR OF THE UNITS SHOWING THE FOLLOWING INFORMATION:

1. UNIT NUMBER _____

2. MODEL NUMBER _____

3. SERIAL NUMBER _____

4. GAS OR ELECTRIC HEAT _____

5. TONNAGE _____

6. VOLTAGE _____

AIR BALANCE SCHEDULE									
ZONE	KITCHEN (EXISTING)								
MARK	SUPPLY AIR-CFM	RETURN AIR-CFM	OUTSIDE AIR-CFM	EXHAUST AIR-CFM	PRESSURE				
RTU1	3000	1915	1085	-----	+1085				
RTU2	-----	-----	-----	1080	-1080				
RTU3	-----	-----	-----	600	-600				
RTU4	-----	-----	-----	-----	-----				
SUBTOTAL	3000	1915	1085	1680	-595				

ZONE	DINING ADDITION								
MARK	SUPPLY AIR-CFM	RETURN AIR-CFM	OUTSIDE AIR-CFM	EXHAUST AIR-CFM	PRESSURE				
RTU5	6000	4560	1440	-----	+1440				
SUBTOTAL	6000	4560	1440	-----	+1440				

ZONE	EXISTING RTU'S								
MARK	SUPPLY AIR-CFM	RETURN AIR-CFM	OUTSIDE AIR-CFM	EXHAUST AIR-CFM	PRESSURE				
RTU1	4000	2600	1400	-----	+1400				
RTU2	4000	2600	1400	-----	+1400				
RTU3	4000	2600	1400	-----	+1400				
RTU4	4000	2600	1400	-----	+1400				
SUBTOTAL	16000	10400	5600	-----	+5600				
BUILDING TOTAL	25000	16877	8125	1680	+6445				

NOTES:

1. ADJUST OUTSIDE AIR FOR ALL EXISTING RTU'S AS SHOWN.

2. A COMPLETE TEST AND AIR BALANCE SHALL BE PERFORMED ON ALL AIR DISTRIBUTION EQUIPMENT. THE TEST AND BALANCE SHALL BE PERFORMED BY AN INDEPENDENT, FULLY CERTIFIED TAB AGENCY THAT SPECIALIZES IN THE TESTING AND BALANCING OF AIR AND HYDRONIC SYSTEMS. THE TAB AGENCY SHALL SUBMIT TO THE OWNER (6) COPIES OF A WRITTEN REPORT WITHIN 10 DAYS AFTER THE INSPECTION IS COMPLETE. LIST ALL COMPLAINTS AND MALFUNCTIONS ENCOUNTERED AND INDICATE STEPS TAKEN OR NEEDED TO BE TAKEN TO CORRECT.

OUTSIDE AIR REQUIRED				
ROOM USE	SQ. FT.(NET)	No. PEOPLE	CFM/PERSON	CFM REQ'D
KITCHEN (COOKING)	750	15	15	225
EXISTING DINING	4614	323	20	6460
ADDITIONAL DINING	1028	72	20	1440
TOTAL				8125

OUTSIDE AIR PROVIDED				
UNIT No.	SUPPLY AIR	RETURN AIR	OUTSIDE AIR	
RTU-1 (EXT'G)	3000	1915	1085	
RTU-2 (EXT'G)	4000	2600	1400	
RTU-3 (EXT'G)	4000	2600	1400	
RTU-4 (EXT'G)	4000	2600	1400	
RTU-5 (EXT'G)	4000	2600	1400	
RTU-6	6000	4560	1440	
TOTAL			8125	

ALL CALCULATIONS ARE BASED ON DATA PROVIDED IN THE 2000 INTERNATIONAL MECHANICAL CODE - SECTION 403.

MECHANICAL SYMBOL LEGEND	
SYMBOL	DESCRIPTION
→	DIRECTION OF FLOW
⊖	THERMOSTAT
⊘	GATE VALVE
⊘	CHECK VALVE
⊘	STRAINER
⊘	UNION
⊘	PRESSURE GAUGE
⊘	THERMOMETER
E.A.	EXHAUST AIR
⊘	FIRE DAMPER W/ FUSIBLE LINK
H.O.A.	HAND - OFF - AUTOMATIC
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
M.A.	MIXED AIR
O.A.	OUTSIDE AIR
REL. A.	RELIEF AIR
R.A.	RETURN AIR
⊘	DUCT MOUNTED SMOKE DETECTOR
⊘	MANUAL BALANCING DAMPER
⊘	MOTORIZED DAMPER
⊘	CEILING RETURN AIR DEVICE
⊘	SUPPLY DUCT RISER

SYMBOL	DESCRIPTION
(2) 24"x12" TYPE "M" GRILLES	W/ 1/2" DIA. FLEX DUCT FOR AIR TRANSFER
⊘	CEILING SUPPLY DIFFUSER
⊘	WALL SUPPLY DIFFUSER
⊘	RETURN AIR GRILLE
⊘	DIFFUSER SHOWN WITH FLEXIBLE DUCT CONNECTION AND VOLUME DAMPER
⊘	RECTANGULAR ELBOW WITH TURNING VAINES
⊘	DUCT SIZE TRANSITION
⊘	WALL MOUNTED SUPPLY AIR REGISTER
⊘	ROOF-TOP COOLING SYSTEM CONDENSERS AND ROOF-TOP HVAC UNIT SCHEMATIC REPRESENTATION ONLY. REFER TO MANUFACTURER'S INFORMATION FOR SIZE, SHAPE, DIMENSION, ETC.
⊘	CONDENSATE DRAIN (NOTED)
⊘	BACKDRAFT DAMPER
⊘	POINT OF CONNECTION
⊘	SUPPLY AIR DEVICE
⊘	ROUND FLEXIBLE DUCT CONNECTION
⊘	NOTE: NOT ALL SYMBOLS MAY BE USED ON THIS PROJECT.

01 OUTSIDE AIR CALCULATIONS

Scale: NO SCALE

02 SPIN-IN TAP DETAIL

Scale: NO SCALE

04 TYP. BRANCH DUCT TAP

Scale: NO SCALE

06 TYP RETURN AIR CONNECTION

Scale: NO SCALE

03 NOT USED

Scale: NO SCALE

05 NOT USED

Scale: NO SCALE

CHUCK E. CHEESE'S PIZZA. #605

SAVANNAH, GA

SAVANNAH, GA 31405

C. E. ENTERTAINMENT, INC.

444 WEST AIRPORT FREEWAY

IRVING, TEXAS 75032

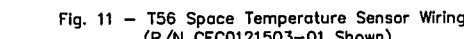
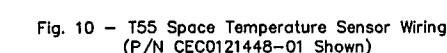
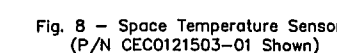
MECHANICAL SCHEDULES AND DETAILS

DATE 10/10/2003

Revisions

Project Number 58-605-2005

Sheet Number M1.2 of 5



This system of dependent independent submodels was developed to ensure that the indoor and outdoor loads were adequately controlled at all times. It was also implemented to make sure that certain outputs, which could cause the MCA (Maximum Current Amps) and the MOPC (Maximum Overcurrent Protection) of the unit to be exceeded, do not operate at the same time. The INOP submodel is used to test the system outputs that are independent and can operate in all modes: fan only, cooling and heating. These outputs are ECON, EPMR, PE1, PE2 and ALM. When an economizer output (ECON) other than zero is selected, the economizer power relay (EPMR) will automatically be turned ON and the economizer is moved to the selected position. Afterwards, the user can turn off the power to the economizer by setting EPMR to OFF. However, this will not turn off ALM. If the user resets ECON, the economizer power relay will once again be turned ON.



All of the remaining menu items should all be ok with factory defaults.

RUN STATUS	SERVICE TEST	TEMPERATURES	PRESSURES	SET POINTS	INPUTS	OUTPUTS	CONFIGURATION	TIME/CLOCK	OPERATING MODES	ALARM
Air Supply (CH19)	Manual Reset On/Off (CH17)	Unit Temperature (CH12)		Cooling Cutoff (CH20)	Thermostat Input (CH14)	Fan (CH16)	Unit Configuration (CH17)	Time (CH18)	System (CH19)	Control Alarm (CH10)
Subcool (CH22)	Unit Independent On/Off (CH19)	Cool Temperature (CH12)		Heating Cutoff (CH21)	Switch Input (CH15)	Compressor (CH16)	Gas Configuration (CH17)	Gas (CH18)	Panel (CH20)	Control Alarm (CH10)
Hot Line (CH11)	Test Line (FA14)	Calculation Temperature (CH13)		Supply Air (CH21)	4-20 mA (CH15)	Line (CH16)	Filling Configuration (CH17)	Line (CH18)	Display Panel (CH20)	Control Alarm (CH10)
Compressed Gas (CH23)	Test Cooling (CH24)			Test Cold Hot Test On/ Off (CH)	Compressor Status Sensor (CH15)	Evaporator (CH16)	Economizer Configuration (CH17)	Economizer Control (CH18)	Panel Alarm (CH20)	Control Alarm (CH10)
Condensate Level (CH25)	Test Cooling (CH24)						Gas Configuration (CH17)	Gas (CH18)		
							Gas Configuration (CH17)	Gas (CH18)		
							Display Configuration (CH17)	Local Display (CH18)		
							Alarm Configuration (CH17)	Alarm Display Indication (CH18)		
							Local Display Indication (CH18)	Local Display Indication (CH18)		

of 5

PANELBOARD SCHEDULE L2										(EXISTING & MODIFIED AS SCHEDULED)									
DESIGNATION		POLIS		LOAD VA				PH		LOAD VA				POLIS		DESIGNATION			
		AMPS	CONT.	RECT.	OTHER			PH		CONT.	RECT.	OTHER	AMPS						
GAME RECEPTS	MODIFIED	1200	200	1000			1	A					1200	GAME RECEPTS					
GAME RECEPTS	MODIFIED	1200	200	1000			3	B					1200	GAME RECEPTS					
GAME RECEPTS	MODIFIED	1200	200	1000			5	C					1200	GAME RECEPTS					
GAME RECEPTS	MODIFIED	1200	200	1000			7	D					1200	GAME RECEPTS	MODIFIED				
GAME RECEPTS		1200	200	1000			9	E					1200	GAME RECEPTS	MODIFIED				
GAME RECEPTS		1200	200	1000			11	F					1200	GAME RECEPTS					
GAME RECEPTS		1200	200	1000			13	G					1200	GAME RECEPTS					
GAME RECEPTS		1200	200	1000			15	H					1200	GAME RECEPTS					
GAME RECEPTS		1200	200	1000			17	I					1200	GAME RECEPTS					
GAME RECEPTS		1200	200	1000			19	J					1200	GAME RECEPTS					
GAME RECEPTS		1200	200	1000			21	K					1200	GAME RECEPTS					
GAME RECEPTS		1200	200	1000			23	L					1200	GAME RECEPTS					
GAME RECEPTS		1200	200	1000			25	M					1200	GAME RECEPTS					
GAME RECEPTS		1200	200	1000			27	B					1200	GAME RECEPTS					
GAME RECEPTS		1200	200	1000			29	C					1200	GAME RECEPTS					
GAME RECEPTS		1200	200	1000			31	D					1200	GAME RECEPTS					
GAME RECEPTS		1200	200	1000			33	B					1200	GAME RECEPTS					
GAME RECEPTS		1200	200	1000			35	C					1200	GAME RECEPTS					
GAME RECEPTS		1200	200	1000			37	D					1200	GAME RECEPTS					
GAME RECEPTS	MODIFIED	1200	200	1000			39	A					1200	GAME RECEPTS	MODIFIED				
GAME RECEPTS	MODIFIED	1200	200	1000			39	B					1200	GAME RECEPTS	MODIFIED				
GAME RECEPTS	MODIFIED	1200	200	1000			41	C					1200	GAME RECEPTS	MODIFIED				
CATEGORY																			
CORN. LOAD		FAC. AMP		CODE		CODE LOAD		MOUNTED		SURFACE		REMARKS:							
WATT		AMPS		N/A		WATT		VOLTS		120/208		FIELD VOLT ALL MODIFICATIONS							
CONTINUOUS:		8.40		23		120%		0.05		25									
PHASE/NEUTRAL:		42.00		111				42.0		117		3/1 4							
MINOR SIZE:		0.00		0				0.00		0		225 AMPS							
NOTHING:		0.00		0				0.00		0		150							
KITCHEN EQUIPMENT:		0.00		0		65%		0.00		0		* 3"WD BREAKER SHALL							
AIR CONDITIONING:		0.00		0				0.00		0		BE USED AND APPROVED							
HEAT ELECTRIC:		0.00		0		75%		0.00		0		FOR SWITCHING							
OTHER LOAD:		0.00		0		100%		0.00		0									
LARGEST MOTOR:		0.00		0		25%		0.00		0									
TOTAL:		50		140				50		140									
												PHASE A: 16800							
												PHASE B: 16800							
												PHASE C: 16800							
												NEUTRAL: 16800							

[illegible]

PANELBOARD SCHEDULE 'A' (EXISTING PANEL AS MODIFIED)

LABEL: "CAUTION - SERVICEMEN CAN BE KILLED" (NEC 110-22)

MAIN SIZE: 800 AMP; M.L.O.

LOCATION: UTILITY ROOM

SERVICE/VELOCITY: 12/90/28

FEED FROM: MAIN DISTRIBUTION PANEL "H2P"

PHASE / WIRE: 3 / 4

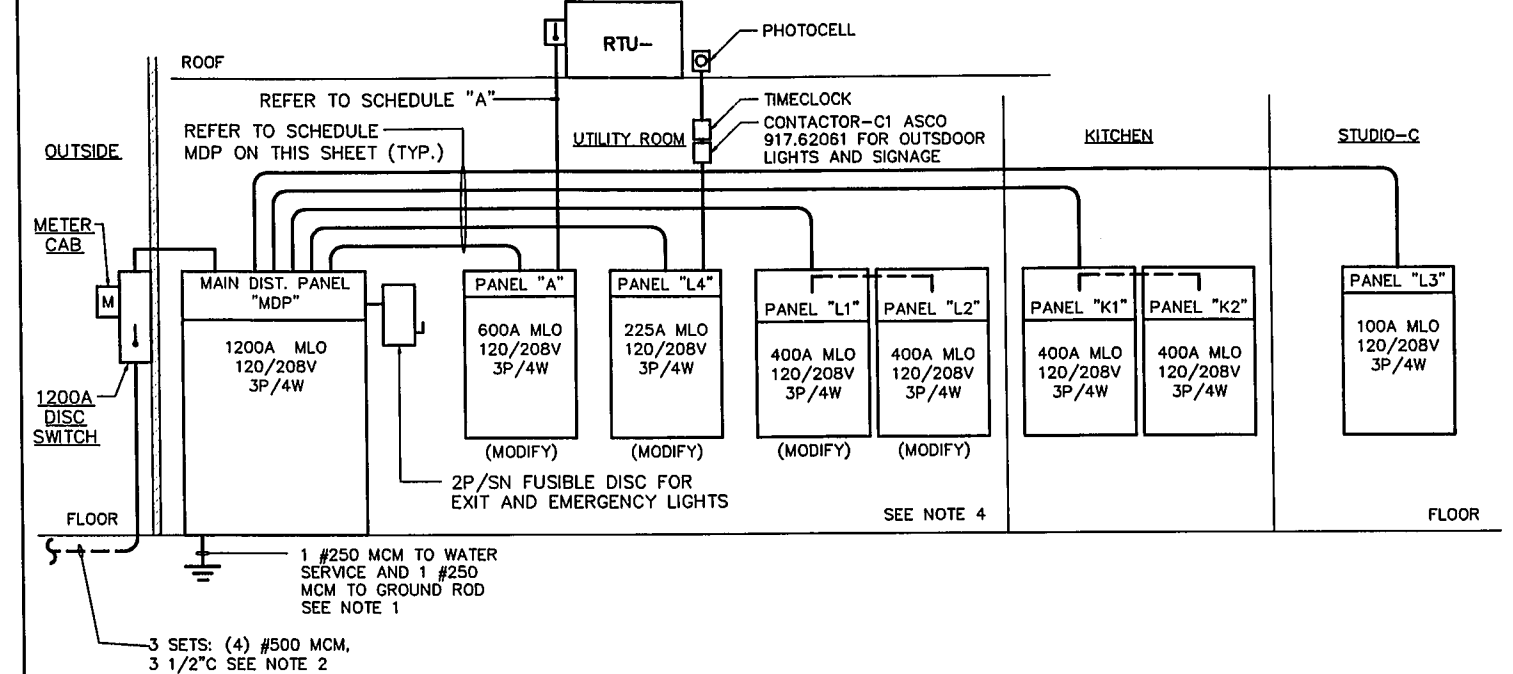
FULL RATE: 22 KVAIC SERIES

MOUNTING: SURFACE

CCT NO.	SERVISE	NO. OF POLS.	RVA	NO. OF SETS	WIRING PER SET	WIRE SIZE	GRID SIZE	CONDUIT SIZE (IN.)	M.O.C.P. AMPS	FLA
1 RTU-1		3	201	1	3	4	B	1-1/4	70	56
2 RTU-2		3	25.9	1	3	3	B	1-1/4	90	72
3 RTU-3		3	25.9	1	3	3	B	1-1/4	90	72
4 RTU-4		3	25.9	1	3	3	B	1-1/4	90	72
5 RTU-5		3	25.9	1	3	3	B	1-1/4	90	72
6 RTU-6	MODIFIED	3	22.4	1	3	3	B	1-1/4	90	70

CATEGORY										REMARKS:	
CONDUCTOR					CONDUIT						
NO.	AMPS	FACTOR	NO.	AMPS							
CONTINUOUS (NEC 216-2)	0	125%	0	0	ALL HEATING, AIR CONDITIONING,						
RECYCLABLE (TABLE 220-13)	0	100-60%	0	0	AND REFRIGERATION UNITS SHALL						
NON-RECYCLABLE (NEC 430-24)	0	100%	0	0	HAVE TRACER REMOVED						
KITCHEN (TABLE 220-20)	0	85%	0	0							
AIR-CHILLING (NEC 220-30(c))	155.1	420	100%	155.1	420						
HEAT (ELECTRIC) (NEC 220-31)	0	0	0	0	0						
OTHER LOAD (NEC 215-2)	0	100%	0	0	0						
LARGEST MOTOR (NEC 430-24)	0	25%	0	0	0						
	155.1	420	100%	155.1	420						

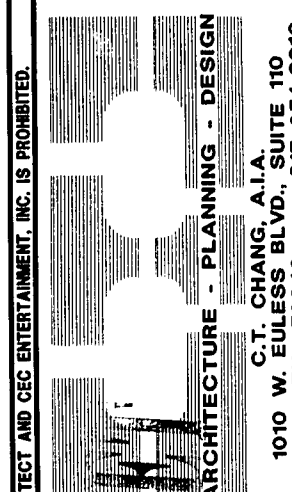
1. GROUNDING ELECTRODE SYSTEM SHALL CONSIST OF BONDING TOGETHER, THE METAL UNDERGROUND WATER PIPE, CONCRETE ENCASED ELECTRODE, GROUND RING, AND ANY RRD AND/OR PIPE ELECTRODES IN COMPLIANCE WITH NEC ARTICLE 250. (F.L.D. VER.)
2. COORDINATE WITH LOCAL POWER CO. FOR COMPLETE ELECTRICAL SERVICE ENTRANCE INCLUDING METERING. FIELD VERIFY EXACT LOCATION AND INCLUDE ALL REQUIREMENTS IN BID. (EXT'G. F.L.D. VER.)
3. MAIN BONDING JUMPER SHALL NOT BE SMALLER THAN #2/0 CU AND EQUIPMENT BONDING JUMPER SHALL NOT BE SMALLER THAN #2/0 CU. INSTALL AND PROVIDE PER NEC 250.102. (EXT'G. F.L.D. VER.)
4. ALL ELECTRICAL PANELS SHALL BE SERIES RATED FOR 22KAIC. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO PROPERLY LABEL ALL PANELS PER NEC.



SCALE:NONE NOTE: THIS DIAGRAM SHOWS EXISTING PANELS, FEEDERS, DEVICES, ETC. FIELD VERIFY. NOTIFY ARCHITECT
ENGINEER OF ANY DISCREPANCIES. MODIFICATIONS ARE NOTED ON DIAGRAM.

TRAIL POWER NOTES:

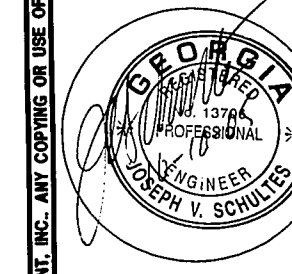
- # GENERAL POWER NOTES:
1. ALL BREAKERS SHALL BE THE BOLT-ON TYPE. FIELD VERIFY EXISTING PANEL SPECIFICATION.
 2. BRANCH BREAKERS OF 2P AND 3P CONFIGURATION SHALL HAVE A COMMON TRIP.
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BALANCING THE LOADS ON ALL PANELS.
 4. ALL CIRCUIT BREAKERS USED TO SWITCH LIGHT FIXTURES SHALL BE APPROVED "UL" TYPE. PURPOSE AND MATERIAL SHALL BE NOTED.
 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER IDENTIFICATION AND LABELING OF ALL CIRCUIT BREAKERS. EACH PANEL SHALL BE PROVIDED WITH AN ACCURATE TYPEWRITTEN CIRCUIT DIRECTORY. LABELING INCLUDES MDP, A, L1, L2, L3, L4, K1, AND K2.
 6. INCOMING SERVICE SHALL BE 208/120V, 3 PHASE, 4 WIRE. ANY DEVIATIONS TO THIS SERVICE TYPE SHALL NOT BE PERMITTED UNLESS APPROVED IN WRITING.
 7. ALL ELECTRICAL MATERIAL USED ON THIS PROJECT SHALL BE "UL" LISTED AND LABELED.
 8. ALL CONDUIT SHALL BE 1/2" UNLESS OTHERWISE NOTED.
 9. THE MINIMUM SIZE OF WIRE SHALL BE #12 AWG THIN WALL COPPER. WIRES INSTALLED OUTSIDE OF BUILDING SHALL BE 1/2" MIN. SHW.
 10. ALL CONDUITS PENETRATING THE COOLER BOX SHALL BE SEALED IN COMPLIANCE WITH NEC 300-7.
 11. THE CONTRACTOR SHALL ARRANGE WITH THE ELECTRIC AND TELEPHONE UTILITY CO. FOR OBTAINING SERVICE REQUIREMENTS AND SHALL INCLUDE ALL COSTS IN BASE BID.
 12. ALL PANELS SHALL BE PROVIDED WITH A KEY LOCK AND LATCH. EACH PANEL SHALL HAVE TWO KEYS WITH ALL PANELS KEYS KEYS ALIKE.
 13. RACEWAYS SHALL BE ANY OF THE FOLLOWING MATERIALS.
INSTALLED IN ACCORDANCE WITH THE FOLLOWING CODES:
1. TYPE MC CABLE WHERE PERMITTED IN NEC 334-3 AND INSTALLED PER 334-10.
2. METALLIC RACEWAYS: GREENFIELD, ENT, MC, OR HEAVY-WALL CONDUIT
3. NON-METALLIC RACEWAYS: RIGID PVC, EMT, OR RIGID PVC CONDUIT
(USE SHALL BE ONLY FOR OUTDOOR USE OR USE IN SLABS)
4. ALL RACEWAYS SHALL HAVE A MINIMUM 1/2" MIN. WALL THICKNESS. CONDUIT INSTALLED IN ROOF, NONMETALLIC TUBING, AND BX CABLEING SHALL NOT BE USED.
 14. CONTRACTOR SHALL SURVEY ALL EXISTING LIGHTING AND FLOOR RECEPTACLE CIRCUITS WHICH ARE TO BE DISCONNECTED FROM SERVICE WITHIN WORK AREA. DISCONNECT THESE CIRCUITS AND CREATE THE ELECTRICAL PANEL CIRCUIT CARD WITH "SPARE" WHERE CIRCUIT IS REMOVED.



PERMIT

CONSTRUCTION OF THIS PROJECT WITHOUT
605
SAVANNAH, GA
RISER

CHUCK E. CHEESE'S
6700 ABERCORN
SAVANNAH, GA 31405
C. E. C. ENTERTAINMENT, INC.
4441 WEST AIRPORT FREEWAY
IRVING, TEXAS 75062



Date
10/10/2005

Revisions

DEC 8 1964

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PROPERTY _____

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PRE TIME _____

Project Number
SR 80E 200E

SB-003-2005

Sheet Number

121

THE F3

of 5

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Fig. 1. *Phragmites australis* (a) and *Spartina patens* (b) in the marsh. *Phragmites australis* (a) and *Spartina patens* (b) in the marsh.

05-3604 B
6700 Abercorn St

CITY OF SAVANNAH	
DEPT. OF INSPECTIONS - REVIEWED	
REVIEW	DATE
FLOOD	
ZONING	2/19/06
BLDG.	1/3/05
LIFE SAFETY	1/3/05
ELEC	10/26/05
MECH	11-25
PLBG	NA
MPC	
HRB	
VICT	
FIRE	
ZBA	

ALL EXTERIOR SIGNAGE
WILL REQUIRE
A SEPARATE PERMIT

OFFICE
COPY

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activity. It is the responsibility of the applicant to
comply with the applicable provisions of the Savannah
Building Code. This examination is not to be construed as
a check of every item in the plans and does not prevent
the Building Official from hereafter requiring corrections or
errors in plans or construction.

ALL CITY OF SAVANNAH
PLANS AND SPECIFICATIONS
SHALL BE MAINTAINED ON THE
CONSTRUCTION SITE.

OCT 26 2005
EXAMINER 82
DEPARTMENT OF INSPECTIONS

Revised
HRT
10/1/05